



CARMEL COLLEGE, MALA

Nationally Re-accredited with 'A' grade (Third Cycle)

Thrissur Dt., Kerala- 680732, Ph:04802890247, Fax: 04802890247

E-mail: carmelcollege@rediffmail.com, Website: www.carmelcollegemala.ac.in



Criteria I

Curricular Aspects

1.1.1. The Institution ensures effective curriculum delivery through a well planned and documented process

Documents related to the effectiveness of Curriculum Delivery

Submitted to



THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

MASTER TIME TABLE FOR THE YEAR 2021-20222

DAYS	DEPARTMENTS	I HOUR			II HOUR			III HOUR			IV HOUR			V HOUR		
DAY 1	CHEMISTRY	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	Main	Main	C-Phy	Lang	OC	Main	C-Phy	Main-P	Main	C-Phy	Main-P	G.Eng	C-Phy	Main-P
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	Main	Main		Main-P	Main		Main-P	Main		Main-P	Main		Main-P	Main		
	BOTANY	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	Main	Main	C-Zoo	G.Eng	Main	Main-P	Lang	OC	Main	C-Zoo	Main	G.Eng	C-Zoo	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	PHYSICS	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	C-Mat	Main-P	Lang	C-CS	Main-P	Main	C-CS	OC	C-Mat	C-CS	Main	G.Eng	C-CS	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	MATHEMATICS	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	C-Stat	Main	C-Stat	G.Eng	Main	Main	Lang	OC	Main	C-CS	Main	G.Eng	C-CS	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	ZOOLOGY	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	Main	Main	C-Bot	G.Eng	Main	Main-P	Lang	OC	Main-P	C-Bot	Main	G.Eng	C-Bot	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	ENGLISH	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	Main	Main	Main	G.Eng	Main	Main	Lang	OC	C-Eng	Main	Main	G.Eng	C-Eng	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	SOCIOLOGY	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	C-P&H	Main	C-P&H	G.Eng	Main	C-P&H	Lang	OC	Main	Main	Main	G.Eng	C-P&H	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	POLITICAL SCIENCE	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	C-H&S	Main	C-H&S	G.Eng	Main	C-H&S	Lang	OC	Main	Main	Main	G.Eng	C-H&S	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	HISTORY	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	Main	Main		G.Eng	Main		Lang	OC		Main	Main		C-E&P	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	BCA	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	Main	Main-P		Main	Main		Main	OC		Main-P	Main		Main	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	COMMERCE FINANCE	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	Main	Main	Main	Main	Main	Main	Main	OC	Lang	Main	Main	G.Eng	Main	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	COMMERCE COM. APPLICATION	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	Main	Main	Main	Main	Main	Main	Main	OC	Lang	Main	Main	G.Eng	Main	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	BBA	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG
		G.Eng	Main	Main	Main	Main	Main	Main	Main	OC	Lang	Main	Main	G.Eng	Main	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
MA INTEGRATED SOCIOLOGY	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	
	G.Eng	Main	Main	Lang	Main	Main	Main	Main	OC	Lang	Main	Main	G.Eng	Main	Main	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		
B.VOC SOFTWARE DEV.	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	
	G.Eng	Main	Main	Lang	Main	Main	Main	Main	Main	Main	Main	Main-P	G.Eng	Main	Main	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		
B.VOC MULTIMEDIA	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	
	G.Eng	Main	Main	Lang	Main	Main-P	Main	Main	Main-P	G.Eng	Main	Main	G.Eng	Main	Main-P	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		
M.VOC MULTIMEDIA	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	
	G.Eng	Main	Main	Lang	Main	Main	Main	Main	Main	Main	Main	Main	G.Eng	Main	Main	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		
B.VOC ACCOUNTING & TAX	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	
	G.Eng	Main	Main	Lang	Main	Main	Main	Main	Main	Main	Main	Main	G.Eng	Main	Main	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		
B.VOC BFSI	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	
	G.Eng	Main	Main	Lang	Main	Main	Main	Main	Main	Main	Main	Main	G.Eng	Main	Main	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		
B.VOC FASHION TECHNOLOGY	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	
	G.Eng	Main	Main	Lang	Main	Main	Main-P	Main	Main	G.Eng	Main-P	Main	G.Eng	Main	Main	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		
B.VOC AGRICULTURE	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	
	G.Eng	Main	Main	Lang	Main	Main	Main	Main	Main	Main	Main	Main	G.Eng	Main	Main	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		
M.VOC SOFTWARE DEVELOPMENT	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	IUG	IUG	IIIUG	
	G.Eng	Main	Main	Lang	Main	Main	Main	Main	Main	Main	Main	Main	G.Eng	Main	Main	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		




 Principal
 Carmel College
 Mala

DAYS	DEPARTMENTS	I HOUR			II HOUR			III HOUR			IV HOUR			V HOUR		
		IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
DAY 2	CHEMISTRY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main-P	G.Eng	Main	G.Eng	C-Mat	Main	C-Mat	Main	OC	G.Eng	Lang	Main-P	Lang	C-Phy	Main-P
		IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-
	Main	Main	-	Main-P	Main	-	Main-P	Main	-	Main-P	Main	-	Main-P	Main	-	
	BOTANY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		C-Che	G.Eng	Main	G.Eng	C-Zoo	Main	C-Zoo	Main	OC	G.Eng	Lang	Main-P	Lang	C-Che	Main
		IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-
	PHYSICS	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	Main	Main-P	G.Eng	G.C	Main-P	Lang	G.C	OC	G.Eng	C-Mat	Main	C-Mat	Main	Main
		C-Statt	G.Eng	Main	G.Eng	C-Statt	Main	C-CS-P	Main	OC	G.Eng	Lang	Main	Lang	C-Statt	Main
	MATHEMATICS	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-
		Main	Main	-	Main	Main	-	Main	Main	-	Main	Main	-	Main	Main	-
	ZOOLOGY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		C-Che	G.Eng	Main	G.Eng	C-Che	Main	C-Bot	C-Che	OC	G.Eng	Lang	Main-P	Lang	C-Che	Main-P
		IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-
	ENGLISH	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	G.Eng	Main	G.Eng	C-Eng	Main	C-Eng	Main	OC	G.Eng	Lang	Main	Lang	Main	Main
		IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-
	SOCIOLOGY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	Main	Main	C-P&H	Main	Main	C-P&H	Main	OC	G.Eng	Lang	Main	Lang	Main	Main
		IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-
	POLITICAL SCIENCE	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	G.Eng	Main	G.Eng	C-H&S	Main	C-H&S	Main	OC	G.Eng	Lang	Main	Lang	Main	Main
		-	G.Eng	Main	-	Main	Main	-	Main	OC	-	Lang	Main	-	C-E&S	Main
	HISTORY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-
		Main	Main	-	Main	Main	-	Main	Main	-	Main	Main	-	Main	Main	-
	BCA	-	IIUG	IIIUG	-	IIUG	IIIUG	-	IIUG	IIIUG	-	IIUG	IIIUG	-	IIUG	IIIUG
		-	Main	Main	-	Main-P	Main	-	Main	OC	-	Main	Main-P	-	Main	Main-P
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	COMMERCE FINANCE	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	Main	Main	G.Eng	Main	Main	Lang	Main	OC	G.Eng	Main	Main	Main	Main	Main
		IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-	IPG	IPG	-
	COMMERCE COM. APPLICATION	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	Main	Main	G.Eng	Main	Main	Lang	Main	OC	G.Eng	Main	Main	Main	Main	Main
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	BBA	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	Main	Main	G.Eng	Main	Main	Lang	Main	OC	G.Eng	Main	Main	Main	Main	Main
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MA INTEGRATED SOCIOLOGY	IPG	-	-	IPG	-	-	IPG	-	-	IPG	-	-	IPG	-	-
		CT	-	-	ENG	-	-	LANG	-	-	ENG	-	-	RK	-	-
-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B.VOC SOFTWARE DEV.	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	Main	G.ENG	Main	Main	Main-P	Main	Main	Main	Main	Main	Main	Main-P	G.Eng	Main	Main	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B.VOC MULTIMEDIA	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	Main	G.ENG	Main	Main	Main-P	Main	Main-P	Main	Main-P	Main-P	Main	Main-P	G.Eng	Main	Main-P	
	IPG	-	-	IPG	-	-	IPG	-	-	IPG	-	-	IPG	-	-	
M.VOC MULTIMEDIA	IPG	-	-	CT	-	-	MBP	-	-	CT	-	-	CT	-	-	
	MBP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B.VOC ACCOUNTING & TAX	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	Main	Main	-	Main-P	Main	-	Main	Main	-	Main	Main	-	G.Eng	G.Eng	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B.VOC BFSI	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	Main	Main	-	Main-P	Main	-	Main	Main	-	Main	Main	-	G.Eng	G.Eng	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B.VOC FASHION TECHNOLOGY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	Main-P	G.Eng	-	Main	Main	-	Main-P	Main-P	-	Main	Main	-	G.Eng	Main	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B.VOC AGRICULTURE	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	Main	-	-	Main	-	-	Main-P	-	-	Main	-	-	G.Eng	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M.VOC SOFTWARE DEVELOPMENT	IPG	-	-	IPG	-	-	IPG	-	-	IPG	-	-	IPG	-	-	
	Main	-	-	Main	-	-	Main	-	-	Main	-	-	Main	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



Living with
Principal
Carmel College
Mala

DAYS	DEPARTMENTS	I HOUR			II HOUR			III HOUR			IV HOUR			V HOUR		
DAY 3	CHEMISTRY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main-P	C-Phy	Main	C-Mat	Lang	Main-P	C-Phy	G.Eng	Main-P	G.Eng	Main-P	Main	Lang	Main-P	Main
		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG	
		Main	Main		Main-P	Main-P		Main-P	Main-P		Main-P	Main-P		Main-P	Main-P	
	BOTANY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	C-Che	Main-P	C-Zoo	Lang	Main-P	C-Che	G.Eng	Main-P	G.Eng	Main	Main-P	Lang	Main-P	Main
		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG	
		Main-P	Main		Main	Main		Main	Main		Main-P	Main-P		Main	Main	
	PHYSICS	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Lang	C-CS	Main-P	C-Mat	G.C	Main-P	C-CS	G.C	Main	G.Eng	Main-P	Main	C-CS	Main-P	Main
	MATHEMATICS	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	C-CS	Main	C-Stat	Lang	Main	C-CS	G.Eng	Main	G.Eng	C-Stat	Main	Lang	Main	Main
		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG	
		Main	Main		Main	Main		Main	Main		Main	Main		Main	Main	
	ZOOLOGY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	C-Che	Main	C-Bot	Lang	Main	C-Che	G.Eng	Main	G.Eng	Main	Main	Lang	Main-P	Main
	ENGLISH	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	Main	Main	C-Eng	Lang	Main	C-Eng	G.Eng	Main	G.Eng	C-Eng	Main	Lang	Main	Main
		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG	
		Main	Main		Main	Main		Main	Main		Main	Main		Main	Main	
	SOCIOLOGY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	C-P&H	Main	Main	Main	Main	C-P&H	Main	Main	G.Eng	Main	Main	Lang	Main	Main
		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG	
		Main	Main		Main	Main		Main	Main		Main	Main		Main	Main	
	POLITICAL SCIENCE	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		Main	C-H&S	Main	Main	Lang	Main	C-H&S	G.Eng	Main	G.Eng	Main	Main	Lang	Main	Main
	HISTORY	-	IIUG	IIIUG	-	IIUG	IIIUG	-	IIUG	IIIUG	-	IIUG	IIIUG	-	IIUG	IIIUG
		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG	
		Main	Main	Main	Main	Lang	Main	G.Eng	Main	Main	Main	Main	Main	C-E&S	Main	Main
	BCA	-	IIUG	IIIUG	-	IIUG	IIIUG	-	IIUG	IIIUG	-	IIUG	IIIUG	-	IIUG	IIIUG
		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG	
		Main	Main	Main-P	Main	Main-P		Main	Main		Main	Main-P	Main	Main	Main-P	Main
COMMERCE FINANCE	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	Main	Main	Main	Main	Main	Main	Lang	Main	Main	G.Eng	Main	Main	Main	Main	Main	
	IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG		IPG	IPG		
	Main	Main		Main	Main		Main	Main		Main	Main		Main	Main		
COMMERCE COM. APPLICATION	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	Main	Main	Main	Main	Main	Main	Lang	Main	Main	G.Eng	Main	Main	Main	Main	Main	
BBA	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	Main	Main	Main	Main	Main	Main	Lang	Main	Main	G.Eng	Main	Main	Main	Main	Main	
MA INTEGRATED SOCIOLOGY	1 PG	-	-	1 PG	-	-	1 PG	-	-	1 PG	-	-	1 PG	-	-	
	LANG			SN			RK			ENG			RK			
B.VOC SOFTWARE DEV.	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	Lang	Main	Main	Main	Main-P	Main	Main	Main	Main	Main	G.Eng	Main	Main	G.Eng	Main	
B.VOC MULTIMEDIA	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	Lang	Main-P	Main	G.Eng	Main-P	Main	Main	Main-P	Main-P	Main	G.Eng	Main	Main-P	G.Eng	Main	
M.VOC MULTIMEDIA	1 PG	-	-	1 PG	-	-	1 PG	-	-	1 PG	-	-	1 PG	-	-	
	BSSR			MBP			BSSR			LAB			CT			
B.VOC ACCOUNTING & TAX	IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		
	Lang	Main		Main	Main		Main	Main		Main	Main		Main-P	Main-P		
B.VOC BFSI	IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		
	Lang	Main		Main	Main		Main	Main		Main	Main		Main-P	Main-P		
B.VOC FASHION TECHNOLOHY	IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		
	Lang	Main		G.Eng	Main		Main	Main-P		Main-P	G.Eng		Main-P	G.Eng		
B.VOC AGRICULTURE	IUG			IUG			IUG			IUG			IUG			
	Lang			Main			Main			Main			Main			
M.VOC SOFTWARE DEVELOPMENT	1 PG			1 PG			1 PG			1 PG			1 PG			
	Main			Main			Main			Main			Main			



Liyaqat
Principal
Carmel College
Mala

DAYS	DEPARTMENTS	I HOUR			II HOUR			III HOUR			IV HOUR			V HOUR		
DAY 4	CHEMISTRY	IUG	IUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		G.Eng	C-Mat	Main	Main	C-Mat	Main	Lang	Main	Main	C-Mat	G.Eng	Main-P	G.Eng	Lang	Main-P
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	BOTANY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		G.Eng	C-Che	Main-P	Main-P	C-Che	Main	Lang	C-Zoo	Main	C-Zoo	G.Eng	Main	G.Eng	Lang	Main-P
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	PHYSICS	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		G.Eng	G.C	Main-P	Lang	G.C	Main-P	Main	C-Mat	Main	Main-P	Main	Main	G.Eng	C-Mat	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	MATHEMATICS	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		G.Eng	C-CS	Main	Main	C-CS	Main	Lang	Main	Main	C-Statu	G.Eng	Main	G.Eng	Lang	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	ZOOLOGY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		G.Eng	Main	Main	Main	Main	Main	Lang	C-Bot	Main	C-Bot	G.Eng	Main-P	G.Eng	Lang	Main-P
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	ENGLISH	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		G.Eng	Main	Main	C-Eng	C-Eng	Main	Lang	Main	Main	Main	G.Eng	Main	G.Eng	Lang	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	SOCIOLOGY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		G.Eng	Main	Main	C-P&H	Main	Main	Lang	C-P&H	Main	Main	Main	Main	G.Eng	Lang	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	POLITICAL SCIENCE	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		G.Eng	Main	Main	C-H&S	Main	Main	Lang	C-H&S	Main	Main	G.Eng	Main	G.Eng	Lang	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	HISTORY	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		G.Eng	C-E&S	Main	Main	C-E&S	Main	Lang	Main	Main	Main	G.Eng	Main	G.Eng	Lang	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
	BCA	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG
		G.Eng	Main	Main	Main	Main	Main	Lang	Main	Main	Main	G.Eng	Main	G.Eng	Lang	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
COMMERCE FINANCE	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	G.Eng	Main	Main	Lang	Main	Main	Main	Main	Main	Main	Main	Main	G.Eng	Main	Main	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		
COMMERCE COM. APPLICATION	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	G.Eng	Main	Main	Lang	Main	Main	Main	Main	Main	Main	Main	Main	G.Eng	Main	Main	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		
BBA	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	G.Eng	Main	Main	Lang	Main	Main	Main	Main	Main	Main	Main	Main	G.Eng	Main	Main	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		
MA INTEGRATED SOCIOLOGY	IPG			IPG			IPG			IPG			IPG			
	ENG			LANG			AY			SN			ENG			
	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
B.VOC SOFTWARE DEV.	Lang	Main	Main	Main	Main-P	Main-P	Main	Main	Main	Main-P	Main	Main	Main-P	Main	Main	
	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	IUG	IIUG	IIIUG	
	Lang	Main-P	Main	Main	Main-P	Main	Main	Main-P	Main	Main-P	Main	Main	Main-P	Main	Main	
M.VOC MULTIMEDIA	IPG			IPG			IPG			IPG			IPG			
	CT			SWL			BSSR			SWL			BSSR			
	IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		
B.VOC ACCOUNTING & TAX	Lang	Main		Main	Main		Main-P	Main-P		Main	Main-P		Main-P	Main		
	IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		
	Lang	Main		Main	Main		Main-P	Main-P		Main	Main-P		Main-P	Main		
B.VOC FASHION TECHNOLOGY	IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		
	Lang	Main-P		Main-P	Main		Main	Main		Main	Main-P		Main	Main-P		
	IUG			IUG			IUG			IUG			IUG			
B.VOC AGRICULTURE	Lang			Main			Main			Main			Main			
	IPG			IPG			IPG			IPG			IPG			
	Main			Main			Main			Main			Main			
M.VOC SOFTWARE DEVELOPMENT	IPG			IPG			IPG			IPG			IPG			
	Main			Main			Main			Main			Main			
	IUG			IUG			IUG			IUG			IUG			



Living Ash
Principal
Carmel College
Mala

DAYS	DEPARTMENTS	I HOUR			II HOUR			III HOUR			IV HOUR			V HOUR		
DAY 5	CHEMISTRY	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG
		G.Eng	C-Mat	Main	C-Mat	Lang	Main	G.Eng	C-Phy	Main-P	Lang	G.Eng	Main-P	C-Phy	C-Mat	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
		Main	Main		Main	Main-P		Main	Main-P		Main	Main-P		Main	Main-P	
	BOTANY	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG
		G.Eng	C-Zoo	Main	C-Che	Lang	Main-P	G.Eng	C-Che	Main	Lang	G.Eng	Main-P	C-Che	Main-P	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
		Main	Main		Main-P	Main		Main	Main-P		Main	Main		Main	Main	
	PHYSICS	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG
		G.Eng	G.C	Main	C-Mat	G.C	Main	G.Eng	Main-P	Main	C-CS	Main-P	Main-P	C-CS	C-Mat	Main-P
	MATHEMATICS	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG
		G.Eng	Main	Main	C-CS	Lang	Main	G.Eng	Main	Main	Lang	G.Eng	Main	C-CS	C-Statu	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
		Main	Main		Main	Main		Main	Main		Main	Main		Main	Main	
	ZOOLOGY	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG
		G.Eng	C-Bot	Main	C-Che	Lang	Main-P	G.Eng	C-Che	Main-P	Lang	G.Eng	Main-P	C-Che	C-Bot	Main-P
	ENGLISH	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG
		G.Eng	Main	Main	C-Eng	Lang	Main	G.Eng	C-Eng	Main	Lang	G.Eng	Main	Main	C-Eng	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
		Main	Main		Main	Main		Main	Main		Main	Main		Main	Main	
	SOCIOLOGY	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG
		G.Eng	Main	Main	Main	Main	Main	G.Eng	C-P&H	Main	Lang	G.Eng	Main	C-P&H	Main	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
		Main	Main		Main	Main		Main	Main		Main	Main		Main	Main	
	POLITICAL SCIENCE	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG
		G.Eng	Main	Main	Main	Lang	Main	G.Eng	C-H&S	Main	Lang	G.Eng	Main	C-H&S	Main	Main
	HISTORY		IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG
			Main	Main		Lang	Main		Main	Main		G.Eng	Main		C-E&S	Main
		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG	
		Main	Main		Main	Main		Main	Main		Main	Main		Main	Main	
	BCA		IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG		IUG	IIUG
			Main	Main		Main	Main-P		Main	Main		Main	Main		Main	Main
COMMERCE FINANCE	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	
	G.Eng	Main	Main	Main	Main	Main	G.Eng	Main	Main	Main	Main	Main	Lang	Main	Main	
	IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		IPG	IIPG		
	Main	Main		Main	Main		Main	Main		Main	Main		Main	Main		
COMMERCE COM. APPLICATION	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	
	G.Eng	Main	Main	Main	Main	Main	G.Eng	Main	Main	Main	Main	Main	Lang	Main	Main	
BBA	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	
	G.Eng	Main	Main	Main	Main	Main	G.Eng	Main	Main	Main	Main	Main	Lang	Main	Main	
MA INTEGRATED SOCIOLOGY	I PG			I PG			I PG			I PG			I PG			
	ENG			SN			ENG			SN			CT			
B.VOC SOFTWARE DEV.	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	
	Lang	Main	Main	Main	Main-P	Main-P	Main	Main-P	Main-P	G.Eng	Main	Main-P	G.Eng	Main	Main	
B.VOC MULTIMEDIA	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	IUG	IUG	IIUG	
	Main-P	Main-P	Main	Main-P	Main	Main	Main-P	Main	Main	Main	Main	Main-P	G.Eng	Main	Main-P	
M.VOC MULTIMEDIA	I PG			I PG			I PG			I PG			I PG			
	BSSR			BSSR			CT			LAB			LAB			
B.VOC ACCOUNTING & TAX	IUG	IUG		IUG	IUG		IUG	IUG		IUG	IUG		IUG	IUG		
	Lang	Main		Main	Main		Main	Main		G.Eng	G.Eng		G.Eng	G.Eng		
B.VOC BESI	IUG	IUG		IUG	IUG		IUG	IUG		IUG	IUG		IUG	IUG		
	Lang	Main		Main	Main		Main	Main		G.Eng	G.Eng		G.Eng	G.Eng		
B.VOC FASHION TECHNOLOGY	IUG	IUG		IUG	IUG		IUG	IUG		IUG	IUG		IUG	IUG		
	Lang	Main-P		Main	Main		Main	Main		Main	Main		G.Eng	Main		
B.VOC AGRICULTURE	IUG			IUG			IUG			IUG			IUG			
	Lang			Main			Main			Main			Main			
M.VOC SOFTWARE DEVELOPMENT	I P G			I P G			I P G			I P G			I P G			
	Main			Main			Main			Main			Main			



Principal
Principal
Carmel College
Mala

Action Plan 2021-2022

Department of Chemistry

June	Department staff meeting and work distribution World Environment Day observation- Training in making Umbrella Model Practical exam Welcome to I DC students University practical exam for IV Sem students
July	Fresher's day Video conferencing Association inauguration - National Seminar Carmel day Celebration Department staff meeting Quiz competition
August	PTA meeting of the Department Ist Internal Exam Dept. staff meeting Training in Soap making Departmental Onam celebration Outreach programme Linkage programme
September	Ozone Day observation -Seminar II Internal Exams Inter collegiate power point presentation Study tour and Field Trip House visit
October	Factory visit Video conferencing Training in extraction of essential oil Computer awareness programme
November	Celebration of Kerala Piravi National science day observation Project work by V Sem

Princy K.G.

Dr. PRINCY K.G.
ASSOCIATE PROFESSOR & HEAD
DEPT. OF CHEMISTRY
CARMEL COLLEGE, MALA



December	<p>Christmas Celebrations Linkage Programme with Karuna Bhavan</p>
January	<p>Alumnae meet New Year celebration Preparation of stock list in the lab Training on making detergents Remedial Coaching Dept staff meeting Energy conservation week observation</p>
February	<p>ENCON club activities Dept PTA meeting Internal Exam For VI Sem Dept staff meeting Farewell for VI Sem B.Sc. Chemistry and IV Sem. M.Sc. Chemistry</p>
March	<p>Internal exam for II & IV Sem World Water Day observation Awareness on rainwater Harvesting Dept staff meeting</p>



Dr. PRINCY K.G.
ASSOCIATE PROFESSOR & HEAD
DEPT. OF CHEMISTRY
CARMEL COLLEGE, MALA

CARMEL COLLEGE, MALA
Thrissur

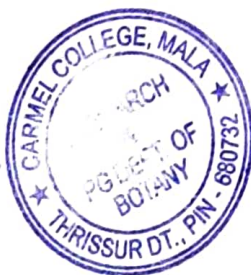
Department: BOTANY Batch: BSBO2019 Semester: 56


Subject Planner Report Of BOT6B14T Genetics and Crop Improvement

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Insect resistance	Achievements, Breeding for resistance to parasitic weeds	28-03-2022	3	6	Lecture	ICT
2	Insect resistance	Achievements, Breeding for resistance to parasitic weeds	28-03-2022	4	6	Lecture	ICT
3	Insect resistance	Breeding methods for insect resistance	21-03-2022	3	6	Lecture	ICT
4	Insect resistance	Problems in breeding for insect resistance, Oligogenic, Polygenic and cytoplasmic resistance	21-03-2022	4	6	Lecture	ICT
5	Insect resistance	sources of insect resistance	14-03-2022	3	6	Lecture	ICT
6	Insect resistance		14-03-2022	4	6	Lecture	ICT
7	Disease resistance	Methods of breeding for disease resistance	07-03-2022	3	6	Lecture	ICT
8	Insect resistance	Introduction, Mechanism, Nature and genetics of insect resistance	07-03-2022	4	6	Lecture	ICT
9	Insect resistance	Achievements, Breeding for resistance to parasitic weeds	04-03-2022	3	6	Lecture	ICT
10	Disease resistance	Oligogenic, polygenic and cytoplasmic inheritance	25-02-2022	3	6	Lecture	ICT
11	Disease resistance	Sources of disease resistance	25-02-2022	4	6	Lecture	ICT
12	Disease resistance	Vertical and horizontal resistance;	18-02-2022	3	6	Lecture	ICT
13	Disease resistance	Mechanism of disease resistance	18-02-2022	4	6	Lecture	ICT
14	Disease resistance	Genetics of disease resistance	11-02-2022	3	6	Lecture	ICT
15	Disease resistance	History of breeding for disease resistance	11-02-2022	4	6	Lecture	ICT
16	Breeding for mineral stress resistance	Genetics of pathogenicity	04-02-2022	3	5	Lecture	ICT
17	Breeding for resistance to biotic stresses	Salinity resistance "general account.	04-02-2022	4	6	Lecture	ICT
18	Breeding for resistance to biotic stresses	Breeding for resistance to biotic stresses	28-01-2022	3	5	Lecture	ICT
19	Breeding for mineral stress resistance	Introduction, Salt affected soils,	28-01-2022	4	5	Lecture	ICT
20	Breeding for mineral stress resistance	Management of salt affected soils:	20-01-2022	3	5	Lecture	ICT
21	Breeding for drought resistance	Breeding methods and approaches;	20-01-2022	4	5	Lecture	ICT
22	Breeding for drought resistance	Difficulties in breeding for drought resistance	13-01-2022	3	5	Lecture	ICT
23	Breeding for resistance to abiotic stresses	Introduction, importance of abiotic and biotic stresses and its characteristics.	13-01-2022	4	5	Lecture	ICT
24	Breeding for resistance to abiotic stresses	: Genetics of drought resistance	06-01-2022	3	5	Lecture	ICT
25	Breeding for resistance to abiotic stresses	Introduction, importance of abiotic and biotic stresses and its characteristics.	06-01-2022	4	5	Lecture	ICT

Dr. Dhanya Thomas T T

Staffname & Signature:




 Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732


 8/3/22

CARMEL COLLEGE, MALA
Thrissur

Department: BOTANY Batch: BSBO2019 Semester: S6

Subject Planner Report Of BOT6B16P Genetics, Pl. Breeding, Biotechnology, Molecular Biology, Plant Physiology & Environmental Science

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Plant cell and Water	Water as a solvent, cohesion and adhesion Diffusion, osmosis, imbibition, plant cell as an osmotic system, osmotic pressure, osmotic potential, turgor pressure, wall pressure, water potential and its components.	07-01-2022	2	1	Lecture	ICT
2	Plant cell and Water	Types and process. Mechanism of guard cell movement	07-01-2022	3	1	Lecture	ICT
3	Transpiration	K ⁺ ion mechanism. Why transpiration?	14-01-2022	2	1	Lecture	ICT
4	Transpiration	Antitranspirants pressure, water potential and its components	14-01-2022	3	1	Lecture	ICT
5	Absorption of water	transpiration pull and cohesion of water molecules and process	21-01-2022	2	1	Lecture	ICT
6	Absorption of water	Radial movement of water through root	21-01-2022	3	1	Lecture	ICT
7	Absorption of water	Soil-plant-atmosphere continuum of water.	31-01-2022	2	1	Lecture	ICT
8	The ascent of sap	Transpiration pull and cohesion of water molecules.	31-01-2022	3	2	Lecture	ICT
9	The ascent of sap	Merits and demerits of cohesion-tension theory	07-02-2022	2	2	Lecture	ICT
10	Plants and inorganic nutrients	Macro and Micro nutrients. Uptake of mineral elements.	07-02-2022	3	2	Lecture	ICT
11	Plants and inorganic nutrients	Difference between passive uptake and active uptake	07-02-2022	3	2	Lecture	ICT
12	Plants and inorganic nutrients	Simple and facilitated diffusion. Active uptake. Carrier concept. Evidences.	14-02-2022	2	2	Lecture	ICT
13	Intermediary metabolism	anabolism, catabolism, amphibolic pathways	14-02-2022	3	5	Lecture	ICT
14	Intermediary metabolism	anapleurotic reactions	21-02-2022	2	5	Lecture	ICT
15	Catabolism of hexosep	Glycolysis: Two phases of glycolysis. Overall balance sheet.	21-02-2022	3	5	Lecture	ICT
16	Catabolism of hexoses	Fate of pyruvate under aerobic and anaerobic conditions	28-02-2022	2	5	Lecture	ICT
17	Catabolism of hexoses	Citric acid cycle: Formation of acetate, Reaction of citric acid cycle, Anapleurotic reactions of citric acid cycle	28-02-2022	3	5	Lecture	ICT
18	Catabolism of hexoses	Amphibolic nature of citric acid cycle.	08-03-2022	2	5	Lecture	ICT
19	Oxidation of fatty acids	β oxidation of saturated fatty acids in plants	08-03-2022	3	5	Lecture	ICT
20	Oxidative phosphorylation	Electron transport reactions in mitochondrion	15-03-2022	2	5	Lecture	ICT
21	Oxidative phosphorylation	Electron carriers, redox potential	15-03-2022	3	5	Lecture	ICT
22	Oxidative phosphorylation	electron carriers functioning as multienzyme complexes, ATP synthesis	22-03-2022	2	5	Lecture	ICT
23	Oxidative phosphorylation	Chemiosmotic hypothesis, cyanide-resistant respiration,	22-03-2022	3	5	Lecture	ICT
24	Oxidative phosphorylation	factors affecting respiration.	29-03-2022	2	5	Lecture	ICT

Dr. Dhanya Thomas T T

Staffname & Signature:



Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:BSBO2019 Semester:S6

Subject Planner Report Of BOT6B16P Genetics, Pl. Breeding, Biotechnology, Molecular Biology, Plant Physiology & Environmental Science

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Oxidative phosphorylation	factors affecting respiration.	29-03-2022	2	5	Lecture	ICT
2	Oxidative phosphorylation	electron carriers functioning as multienzyme complexes, ATP synthesis	22-03-2022	2	5	Lecture	ICT
3	Oxidative phosphorylation	Chemiosmotic hypothesis, cyanide-resistant respiration,	22-03-2022	3	5	Lecture	ICT
4	Oxidative phosphorylation	Electron transport reactions in mitochondrion	15-03-2022	2	5	Lecture	ICT
5	Oxidative phosphorylation	Electron carriers, redox potential	15-03-2022	3	5	Lecture	ICT
6	Catabolism of hexoses	Amphibolic nature of citric acid cycle.	08-03-2022	2	5	Lecture	ICT
7	Oxidation of fatty acids	β oxidation of saturated fatty acids in plants	08-03-2022	3	5	Lecture	ICT
8	Catabolism of hexoses	Fate of pyruvate under aerobic and anaerobic conditions	28-02-2022	2	5	Lecture	ICT
9	Catabolism of hexoses	Citric acid cycle: Formation of acetate, Reaction of citric acid cycle, Anapleurotic reactions of citric acid cycle	28-02-2022	3	5	Lecture	ICT
10	Intermediary metabolism	anapleurotic reactions	21-02-2022	2	5	Lecture	ICT
11	Catabolism of hexoses	Glycolysis: Two phases of glycolysis. Overall balance sheet.	21-02-2022	3	5	Lecture	ICT
12	Plants and inorganic nutrients	Simple and facilitated diffusion. Active uptake. Carrier concept. Evidences.	14-02-2022	2	2	Lecture	ICT
13	Intermediary metabolism	anabolism, catabolism, amphibolic pathways	14-02-2022	3	5	Lecture	ICT
14	The ascent of sap	Merits and demerits of cohesion-tension theory	07-02-2022	2	2	Lecture	ICT
15	Plants and inorganic nutrients	Macro and Micro nutrients. Uptake of mineral elements.	07-02-2022	3	2	Lecture	ICT
16	Plants and inorganic nutrients	Difference between passive uptake and active uptake	07-02-2022	3	2	Lecture	ICT
17	Absorption of water	Soil-plant-atmosphere continuum of water. Transpiration pull and cohesion of water molecules.	31-01-2022	2	1	Lecture	ICT
18	The ascent of sap	transpiration pull and cohesion of water molecules and process	31-01-2022	3	2	Lecture	ICT
19	Absorption of water	Radial movement of water through root	21-01-2022	2	1	Lecture	ICT
20	Absorption of water	Types and process. Mechanism of guard cell movement	21-01-2022	3	1	Lecture	ICT
21	Transpiration	K ⁺ ion mechanism. Why transpiration? Antitranspirants pressure, water potential and its components	14-01-2022	2	1	Lecture	ICT
22	Transpiration	Water as a solvent, cohesion and adhesion	14-01-2022	3	1	Lecture	ICT
23	Plant cell and Water	Diffusion, osmosis, imbibition, plant cell as an osmotic system, osmotic pressure, osmotic potential, turgor pressure, wall pressure, water potential and its components.	07-01-2022	2	1	Lecture	ICT
24	Plant cell and Water		07-01-2022	3	1	Lecture	ICT

Dr. Dhanya Thomas T T

Staffname & Signature:



Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

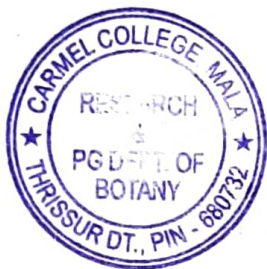
Department:BOTANY Batch:MSBO2021 Semester:51


Subject Planner Report Of BOT01CP05 Practicals of Microbiology, Plant Pathology, Angiosperm anatomy, Embryology, Palynology and Lab Techniques.

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	anomalous secondary growth	Aristolochia	07-01-2022	1	1	Lecture	Practical
2	anomalous secondary growth	Strychnos	14-01-2022	1	1	Lecture	Practical
3	anomalous secondary growth	Amaranthaceae,	21-01-2022	1	1	Lecture	Practical
4	anomalous secondary growth	Amaranthaceae,	21-01-2022	1	1	Lecture	Practical
5	anomalous secondary growth	Nyctaginaceae	31-01-2022	1	1	Lecture	Practical
6	anomalous secondary growth	Bignoniaceae	07-02-2022	1	1	Lecture	Practical
7	anomalous secondary growth	Agavaceae.	14-02-2022	1	1	Lecture	Practical
8	Nodal anatomy	Unilacunar	21-02-2022	1	2	Lecture	Practical
9	Nodal anatomy	trilacunar	28-02-2022	1	2	Lecture	Practical
10	Leaf anatomy	stomata	04-03-2022	1	3	Lecture	Practical
11	Nodal anatomy	Multilacunar	08-03-2022	1	2	Lecture	Practical
12	Leaf anatomy	epidermal peels	15-03-2022	1	3	Lecture	Practical
13	Leaf anatomy	TS of lamina	22-03-2022	1	3	Lecture	Practical
14	Leaf anatomy	Stomata	29-03-2022	1	3	Lecture	Practical
15	Leaf anatomy	Stomata	29-03-2022	1	3	Lecture	Practical

Dr. Dhanya Thomas T T

Staffname & Signature:




 Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:MSBO2021 Semester:S1


Subject Planner Report Of BOT01CP05 Practicals of Microbiology, Plant Pathology, Angiosperm anatomy, Embryology, Palynology and Lab Techniques.

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	anomalous secondary growth	Aristolochia	07-01-2022	1	1	Lecture	Practical
2	anomalous secondary growth	Strychnos	14-01-2022	1	1	Lecture	Practical
3	anomalous secondary growth	Amaranthaceae,	21-01-2022	1	1	Lecture	Practical
4	anomalous secondary growth	Amaranthaceae,	21-01-2022	1	1	Lecture	Practical
5	anomalous secondary growth	Nyctaginaceae	31-01-2022	1	1	Lecture	Practical
6	anomalous secondary growth	Bignoniaceae	07-02-2022	1	1	Lecture	Practical
7	anomalous secondary growth	Agavaceae.	14-02-2022	1	1	Lecture	Practical
8	Nodal anatomy	Unilacunar	21-02-2022	1	2	Lecture	Practical
9	Nodal anatomy	trilacunar	28-02-2022	1	2	Lecture	Practical
10	Leaf anatomy	stomata	04-03-2022	1	3	Lecture	Practical
11	Nodal anatomy	Multilacunar	08-03-2022	1	2	Lecture	Practical
12	Leaf anatomy	epidermal peels	15-03-2022	1	3	Lecture	Practical
13	Leaf anatomy	TS of lamina	22-03-2022	1	3	Lecture	Practical
14	Leaf anatomy	Stomata	29-03-2022	1	3	Lecture	Practical
15	Leaf anatomy	Stomata	29-03-2022	1	3	Lecture	Practical

Dr. Dhanya Thomas T T

Staffname & Signature:




 Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:BSBO2021 Semester:S1


Subject Planner Report Of BOT1B01T Angiosperm Anatomy, Reproductive Botany & palynology

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Introduction	Introduction	18-11-2021	2	1	Lecture	ICT
2	Cell Wall	Structure and Development	22-11-2021	3	1	Lecture	ICT
3	Cell Wall	Growth of Cell wall	22-11-2021	4	1	Lecture	ICT
4	Cell Wall	Cell wall materials	25-11-2021	2	1	Lecture	ICT
5	Non-living inclusions	Reserve food materials	29-11-2021	3	1	Lecture	ICT
6	Non-living inclusions	Secretory materials	29-11-2021	4	1	Lecture	ICT
7	Non-living inclusions	Waste materials	02-12-2021	2	1	Lecture	ICT
8	Tissues	Meristematic tissues-Theories	06-12-2021	3	2	Lecture	ICT
9	Tissues	Meristematic tissues- Organization	06-12-2021	4	2	Lecture	ICT
10	Tissues	Mature tissues-simple	09-12-2021	2	2	Lecture	ICT
11	Tissues	Mature tissues-complex	13-12-2021	3	2	Lecture	ICT
12	Tissues	Mature tissues-secretory	13-12-2021	4	2	Lecture	ICT
13	Vascular bundles	Conjoint, Collateral	16-12-2021	2	3	Lecture	ICT
14	Vascular bundles	Radial, concentric	20-12-2021	3	3	Lecture	ICT
15	Primary structure	Root	20-12-2021	4	4	Lecture	ICT
16	Primary structure	Stem and Leaves,root	23-12-2021	2	4	Lecture	ICT
17	Secondary structure	Stem	03-03-2022	2	5	Lecture	ICT
18	Secondary structure	Root	03-03-2022	2	6	Lecture	ICT
19	Anomalous secondary growth	Stem	03-03-2022	4	6	Lecture	ICT

Dr. Dhanya Thomas T T

Staffname & Signature:




Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

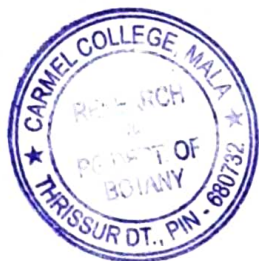
CARMEL COLLEGE, MALA
Thrissur


Department: BOTANY Batch: MSBO2020 Semester: S4
Subject Planner Report Of BOT04EP01 Practicals of Electives

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Study of chemical composition and use	other plant protection formulations	18-03-2022	1	4	Lecture	Practicals
2	Study of chemical composition and use	other plant protection formulations	15-03-2022	5	4	Lecture	Practicals
3	Study of chemical composition and use	fungicides	11-03-2022	1	4	Lecture	Practicals
4	Study of chemical composition and use	other plant protection formulations	11-03-2022	3	4	Lecture	Practicals
5	Study of chemical composition and use	weedicides	08-03-2022	5	4	Lecture	Practicals
6	Identification of the major pests and diseases of the above crop plants	ginger, turmeric, vanilla. pesticides,	04-03-2022	1	3	Lecture	Practicals
7	Study of chemical composition and use	pesticides,	04-03-2022	3	4	Lecture	Practicals
8	Identification of the major pests and diseases of the above crop plants	cashew, pepper,	28-02-2022	5	3	Lecture	Practicals
9	Identification of the major pests and diseases of the above crop plants	coconut, arecanut,	24-02-2022	1	3	Lecture	Practicals
10	Identification of the major pests and diseases of the above crop plants	oil palm, cocoa,	24-02-2022	3	3	Lecture	Practicals
11	Identification of the major pests and diseases of the above crop plants	rubber, cardamom,	21-02-2022	5	3	Lecture	Practicals
12	Identification of the major pests and diseases of the above crop plants	maize, jowar,	17-02-2022	1	3	Lecture	Practicals
13	plants identification of the major pests and diseases of the above crop plants	tea, coffee,	17-02-2022	3	3	Lecture	Practicals
14	Identification of the major pests and diseases of the above crop plants	rice, wheat,	14-02-2022	5	3	Lecture	Practicals
15	identification of crop species/ subspecies/ varieties	cashew, pepper,	10-02-2022	1	2	Lecture	Practicals
16	identification of crop species/ subspecies/ varieties	ginger, turmeric, vanilla.	10-02-2022	3	2	Lecture	Practicals
17	identification of crop species/ subspecies/ varieties	oil palm, cocoa,	07-02-2022	5	2	Lecture	Practicals
18	identification of crop species/ subspecies/ varieties	rubber, cardamom,	03-02-2022	1	2	Lecture	Practicals
19	identification of crop species/ subspecies/ varieties	coconut, arecanut,	03-02-2022	3	2	Lecture	Practicals
20	identification of crop species/ subspecies/ varieties	tea, coffee,	31-01-2022	5	2	Lecture	Practicals
21	identification of crop species/ subspecies/ varieties	rice, wheat,	27-01-2022	1	2	Lecture	Practicals
22	identification of crop species/ subspecies/ varieties	maize, jowar,	27-01-2022	3	2	Lecture	Practicals
23	Morphological and floral studies of major crops.	ginger, turmeric, vanilla.	21-01-2022	5	1	Lecture	Practicals
24	Morphological and floral studies of major crops.	oil palm, cocoa,	19-01-2022	1	1	Lecture	Practicals
25	Morphological and floral studies of major crops.	cashew, pepper,	19-01-2022	3	1	Lecture	Practicals
26	Morphological and floral studies of major crops.	coconut, arecanut,	14-01-2022	5	1	Lecture	Practicals
27	Morphological and floral studies of major crops.	tea, coffee,	12-01-2022	3	1	Lecture	Practicals
28	Morphological and floral studies of major crops.	rubber, cardamom,	12-01-2022	4	1	Lecture	Practicals
29	Morphological and floral studies of major crops.	rice, wheat,	05-01-2022	3	1	Lecture	Practicals
30	Morphological and floral studies of major crops.	maize, jowar,	05-01-2022	4	1	Lecture	Practicals

Dr. Dhanya Thomas T T

Staffname & Signature:




Head
Department of Botany
Carmel College, Mala
Mala - 680732

CARMEL COLLEGE, MALA
Thrissur

Department: BOTANY Batch: MSBO2020 Semester: S4

Subject Planner Report Of BOT04ET01 Genetics and Crop Improvement


Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	General account of origin, variability, floral biology, propagation, breeding techniques, crop management and major R&D bottle necks in the case of the following crop	rice, wheat	04-01-2022	2	1	Lecture	ICT
2	General account of origin, variability, floral biology, propagation, breeding techniques, crop management and major R&D bottle necks in the case of the following crop	maize, jowar	04-01-2022	4	1	Lecture	ICT
3	General account of origin, variability, floral biology, propagation, breeding techniques, crop management and major R&D bottle necks in the case of the following crop	tea, coffee	10-01-2022	5	1	Lecture	ICT
4	General account of origin, variability, floral biology, propagation, breeding techniques, crop management and major R&D bottle necks in the case of the following crop	rubber, cardamom	11-01-2022	2	1	Lecture	ICT
5	General account of origin, variability, floral biology, propagation, breeding techniques, crop management and major R&D bottle necks in the case of the following crop	coconut, arecanut	11-01-2022	4	1	Lecture	ICT
6	General account of origin, variability, floral biology, propagation, breeding techniques, crop management and major R&D bottle necks in the case of the following crop	oil palm, cocoa	17-01-2022	5	1	Lecture	ICT
7	General account of origin, variability, floral biology, propagation, breeding techniques, crop management and major R&D bottle necks in the case of the following crop	cashew, pepper	18-01-2022	2	1	Lecture	ICT
8	General account of origin, variability, floral biology, propagation, breeding techniques, crop management and major R&D bottle necks in the case of the following crop	ginger, turmeric, vanilla	24-01-2022	5	1	Lecture	ICT
9	Detailed account of crop research institutes	CGIAR,	25-01-2022	2	2	Lecture	ICT
10	Detailed account of crop research institutes	ICAR	01-02-2022	5	2	Lecture	ICT
11	Detailed account of crop research institutes	Commodity Boards	02-02-2022	2	2	Lecture	ICT
12	Crop genetic resources	conservation and utilization.	08-02-2022	5	3	Lecture	ICT
13	Crop genetic	Centres of origin of cultivated plants- primary and secondary centres of diversity	09-02-2022	2	3	Lecture	ICT
14	Crop genetic	Gene banks- International and national networks of gene banks	15-02-2022	5	3	Lecture	ICT
15	Systems of reproduction and mating systems in crop plants.	. Systems of reproduction and mating systems in crop plants.	16-02-2022	2	4	Lecture	ICT
16	Systems of reproduction and mating systems in crop plants.	. Systems of reproduction and mating systems in crop plants.	22-02-2022	5	4	Lecture	ICT
17	Systems of reproduction and mating systems in crop plants.	. Systems of reproduction and mating systems in crop plants.	23-02-2022	2	4	Lecture	ICT
18	Conventional methods of plant breeding	plant domestication,	02-03-2022	5	5	Lecture	ICT
19	Conventional methods of plant breeding	introduction	03-03-2022	2	5	Lecture	ICT
20	Resistance breeding-	abiotic stress resistance	04-03-2022	5	7	Lecture	ICT
21	Conventional methods of plant breeding	selection	09-03-2022	5	5	Lecture	ICT
22	Conventional methods of plant breeding	hybridization	10-03-2022	2	5	Lecture	ICT
23	Modern methods of plant breeding	mutation breeding	16-03-2022	5	6	Lecture	ICT
24	Modern methods of plant breeding	polyploidy breeding	17-03-2022	2	6	Lecture	ICT
25	Modern methods of plant breeding	polyploidy breeding	17-03-2022	2	6	Lecture	ICT
26	Modern methods of plant breeding	distant hybridization	23-03-2022	5	6	Lecture	ICT
27	Modern methods of plant breeding	biotechnological approaches	24-03-2022	2	6	Lecture	ICT




 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

28	Resistance breeding-	breeding for biotic	30-03-2022	5	7	Lecture	ICT
29	Resistance breeding-	abiotic stress resistance	31-03-2022	2	7	Lecture	ICT
Dr. Dhanya Thomas T T							Staffname & Signature: <i>X</i>



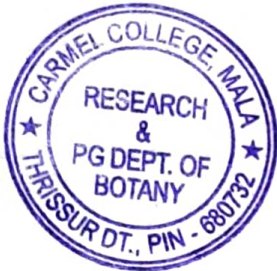

Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732


CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:MSBO2020 Semester:S3

Subject Planner Report Of BOT03CT12 Angiosperm Morphology and Taxonomy and Plant Resources

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	origin and evolution of flower and floral parts	Role of floral anatomy in interpreting the origin and evolution of flower and floral parts	02-08-2021	5	5	Lecture	ICT presentation
2	Origin and evolution of carpels	Origin and evolution of carpels: different types-concept of foliar origin of carpels; types of ovary; evolution of placentation types- inferior ovary- foliar and axial concepts	29-07-2021	4	4	Lecture	ICT presentation
3	structure and morphology of stamens, nectarines and nectar	Origin and evolution of structure and morphology of stamens, nectarines and nectar	26-07-2021	5	3	Lecture	ICT presentation
4	Primitive angiosperm flower	The concept of primitive angiosperm flower. Origin and evolution of flower, co-evolution of flowers vis-a-vis pollinators.	22-07-2021	4	2	Lecture	ICT presentation
5	origin of Angiosperms	A critical study of the current ideas on the origin of Angiosperms with special reference to their ancestral stock, time and place of origin.	16-07-2021	5	1	Lecture	ICT presentation
Dr. Dhanya Thomas T T							
							Staffname & Signature:

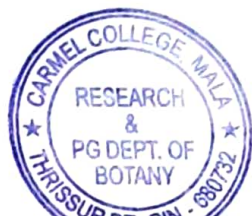




Head
Department of Botany
Carmel College, Mala
Thriassur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

Subject Planner Report Of Botany Open Course

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Revision of Vector less or direct gene transfer techniques	Revision of Vector less [read more]	30-11-2021	3	5	Remedial	ICT presentation
2	Revision of Vector less or direct gene transfer techniques	Revision of Vector less [read more]	29-11-2021	3	5	Remedial	ICT presentation
3	Revision of Multiple gene transfers	Revision of Multiple gen [read more]	25-11-2021	3	5	Remedial	ICT presentation
4	Revision of Multiple gene transfers	Revision of Multiple gen [read more]	23-11-2021	3	5	Remedial	ICT presentation
5	Revision of Gene transfer methods in plants	Revision of Gene transfe [read more]	22-11-2021	3	5	Remedial	ICT presentation
6	Revision of Gene transfer methods in plants	Revision of Gene transfe [read more]	18-11-2021	3	5	Remedial	ICT presentation
7	Revision of Gene transfer methods in plants	Revision of Gene transfe [read more]	16-11-2021	3	5	Remedial	ICT presentation
8	Revision of Transgenic plant production	Revision of Transgenic pl [read more]	15-11-2021	3	5	Remedial	ICT presentation
9	Revision of Transgenic plant production	Revision of Transgenic pl [read more]	11-11-2021	3	5	Remedial	ICT presentation
10	Revision of Transgenic plant production	Revision of Transgenic pl [read more]	09-11-2021	3	5	Remedial	ICT presentation
11	Revision of Transgenic plant production	Revision of Transgenic pl [read more]	08-11-2021	3	5	Remedial	ICT presentation
12	Revision of Transformation technology	Revision of Transformatio [read more]	03-11-2021	3	5	Remedial	ICT presentation
13	Revision of Transformation technology	Revision of Transformatio [read more]	01-11-2021	3	5	Remedial	ICT presentation
14	Revision of Shoot apical meristem culture and production of pathogen free stocks and somaclonal variation	Revision of Shoot apical [read more]	29-10-2021	3	4	Remedial	ICT presentation
15	Revision of Shoot apical meristem culture and production of pathogen free stocks and somaclonal variation	Revision of Shoot apical [read more]	27-10-2021	3	4	Remedial	ICT presentation
16	Revision of Cryopreservation	Revision of Cryopreservat [read more]	25-10-2021	3	4	Remedial	ICT presentation
17	Revision of Anther, pollen and Ovary culture for production of haploids	Revision of Anther, poll [read more]	13-10-2021	3	4	Remedial	ICT presentation
18	Revision of Anther, pollen and Ovary culture for production of haploids	Revision of Anther, poll [read more]	11-10-2021	3	4	Remedial	ICT presentation
19	Revision of Anther, pollen and Ovary culture for production of haploids	Revision of Anther, poll [read more]	07-10-2021	3	4	Remedial	ICT presentation
20	Revision of Protoplast isolation, culture and fusion	Revision of Protoplast i [read more]	06-10-2021	3	4	Remedial	ICT presentation
21	Revision of Protoplast isolation, culture and fusion	Revision of Protoplast i [read more]	04-10-2021	3	4	Remedial	ICT presentation
22	Revision of Embryo rescue culture	Revision of Embryo rescu [read more]	30-09-2021	3	4	Remedial	ICT presentation
23	Revision of Germplasm conservation	Revision of Germplasm co [read more]	29-09-2021	3	4	Remedial	ICT presentation
24	Revision of Artificial seeds	Revision of Artificial se [read more]	27-09-2021	3	4	Remedial	ICT presentation
25	Revision of Somatic embryogenesis	Revision of Somatic embr [read more]	23-09-2021	3	4	Remedial	ICT presentation
26	Revision of Micropropagation	Revision of Micropropagat [read more]	22-09-2021	3	3	Remedial	ICT presentation
27	Revision of Somaclonal variation	Revision of Somaclonal va [read more]	17-09-2021	3	3	Remedial	ICT presentation
28	Vector less or direct gene transfer techniques	Vector less or direct [read more]	15-09-2021	3	5	Lecture	ICT presentation
29	Vector less or direct gene transfer techniques	Vector less or direct [read more]	14-09-2021	3	5	Lecture	ICT presentation
30	Vector less or direct gene transfer techniques	Vector less or direct [read more]	10-09-2021	3	5	Lecture	ICT presentation
31	Vector less or direct gene transfer techniques	Vector less or direct [read more]	08-09-2021	3	5	Lecture	ICT presentation
32	Multiple gene transfers	Multiple gene transfers	07-09-2021	3	5	Lecture	ICT presentation




 Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

33	Multiple gene transfers	Multiple gene transfers	03-09-2021	3	5	Lecture	ICT presentation
34	Multiple gene transfers	Multiple gene transfers	01-09-2021	3	5	Lecture	ICT presentation
35	Gene transfer methods in plants	Gene transfer methods i [read more]	31-08-2021	3	5	Lecture	ICT presentation
36	Gene transfer methods in plants	Gene transfer methods i [read more]	18-08-2021	3	5	Lecture	ICT presentation
37	Gene transfer methods in plants	Gene transfer methods i [read more]	16-08-2021	3	5	Lecture	ICT presentation
38	Transgenic plant production	Transgenic plant producti [read more]	12-08-2021	3	5	Lecture	ICT presentation
39	Transgenic plant production	Transgenic plant producti [read more]	11-08-2021	3	5	Lecture	ICT presentation
40	Transgenic plant production	Transgenic plant producti [read more]	09-08-2021	3	5	Lecture	ICT presentation
41	Transformation technology	Transformation technology	05-08-2021	3	4	Lecture	ICT presentation
42	Transformation technology	Transformation technology	04-08-2021	3	4	Lecture	ICT presentation
43	Shoot apical meristem culture and production of pathogen free stocks and somaclonal variation	Shoot apical meristem [read more]	02-08-2021	3	4	Lecture	ICT presentation
44	Shoot apical meristem culture and production of pathogen free stocks and somaclonal variation	Shoot apical meristem [read more]	29-07-2021	3	4	Lecture	ICT presentation
45	Shoot apical meristem culture and production of pathogen free stocks and somaclonal variation	Shoot apical meristem [read more]	28-07-2021	3	4	Lecture	ICT presentation
46	Cryopreservation	Cryopreservation	26-07-2021	3	4	Lecture	ICT presentation
47	Anther, pollen and Ovary culture for production of haploids	Anther, pollen and Ova [read more]	22-07-2021	3	4	Lecture	ICT presentation
48	Anther, pollen and Ovary culture for production of haploids	Anther, pollen and Ova [read more]	20-07-2021	3	4	Lecture	ICT presentation
49	Anther, pollen and Ovary culture for production of haploids	Anther, pollen and Ova [read more]	16-07-2021	3	4	Lecture	ICT presentation
50	Protoplast isolation, culture and fusion	Protoplast isolation, c [read more]	14-07-2021	3	4	Lecture	ICT presentation
51	Protoplast isolation, culture and fusion	Protoplast isolation, c [read more]	13-07-2021	3	4	Lecture	ICT presentation
52	Embryo rescue culture	Embryo rescue culture	09-07-2021	3	4	Lecture	ICT presentation
53	Germplasm conservation	Germplasm conservation	07-07-2021	3	4	Lecture	ICT presentation
54	Artificial seeds	Artificial seeds	06-07-2021	3	4	Lecture	ICT presentation
55	Somatic embryogenesis	Somatic embryogenesis	02-07-2021	3	4	Lecture	ICT presentation
56	Micropropagation	Micropropagation	30-06-2021	3	3	Lecture	ICT presentation
57	Somaclonal variation	Somaclonal	29-06-2021	3	3	Lecture	ICT presentation

Staffname & Signature: Dr. Dhanya Thomas T T



[Signature]
Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:BSBO2019 Semester:55

Subject Planner Report Of BOT5B08T Tissue culture, Horticulture, Economic Botany & Ethnobotany

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Revision of In vitro preservation of germplasm	Revision of In vitro preservation of germplasm	26-11-2021	3	2	Remedial	ICT presentation
2	Revision of In vitro production of haploids & anther and pollen culture	Revision of In vitro production of haploids & anther and pollen culture	24-11-2021	2	2	Remedial	ICT presentation
3	Revision of cell immobilization, bioreactors	Revision of cell immobilization, bioreactors	19-11-2021	3	2	Remedial	ICT presentation
4	Revision of In vitro secondary metabolite production	Revision of In vitro secondary metabolite production	17-11-2021	2	2	Remedial	ICT presentation
5	Revision of cybridization	Revision of cybridization	12-11-2021	3	2	Remedial	ICT presentation
6	Revision of Somatic cell hybridization	Revision of Somatic cell hybridization	10-11-2021	2	2	Remedial	ICT presentation
7	Revision of transformation and transgenics	Revision of transformation and transgenics	05-11-2021	3	2	Remedial	ICT presentation
8	Revision of Protoplast isolation culture	Revision of Protoplast isolation culture	02-11-2021	2	2	Remedial	ICT presentation
9	Revision of Embryo culture	Revision of Embryo culture	28-10-2021	3	2	Remedial	ICT presentation
10	Revision of synthetic seed production	Revision of synthetic seed production	26-10-2021	2	2	Remedial	ICT presentation
11	Revision of Shoot tip and meristem culture	Revision of Shoot tip and meristem culture	08-10-2021	2	2	Tutorial	ICT presentation
12	In vitro preservation of germplasm	In vitro preservation of germplasm	05-10-2021	3	2	Lecture	ICT presentation
13	In vitro preservation of germplasm	In vitro preservation of germplasm	01-10-2021	2	2	Lecture	ICT presentation
14	anther and pollen culture	anther and pollen culture	28-09-2021	3	2	Lecture	ICT presentation
15	anther and pollen culture	anther and pollen culture	24-09-2021	2	2	Lecture	ICT presentation
16	In vitro production of haploids	In vitro production of haploids	20-09-2021	3	2	Lecture	ICT presentation
17	bioreactors	bioreactors	16-09-2021	2	2	Lecture	ICT presentation
18	cell immobilization	cell immobilization	13-09-2021	3	2	Lecture	ICT presentation
19	In vitro secondary metabolite production	In vitro secondary metabolite production	09-09-2021	2	2	Lecture	ICT presentation
20	cybridization	cybridization	06-09-2021	3	2	Lecture	ICT presentation
21	Somatic cell hybridization	Somatic cell hybridization	02-09-2021	2	2	Lecture	ICT presentation
22	transformation and transgenics	transformation and transgenics	17-08-2021	3	2	Lecture	ICT presentation
23	regeneration	regeneration	13-08-2021	2	2	Lecture	ICT presentation
24	Protoplast isolation culture	Protoplast isolation culture	10-08-2021	3	2	Lecture	ICT presentation
25	Protoplast isolation culture	Protoplast isolation culture	06-08-2021	2	2	Lecture	ICT presentation
26	Embryo culture	Embryo culture	03-08-2021	3	2	Lecture	ICT presentation
27	Embryo culture	Embryo culture	02-08-2021	2	2	Lecture	ICT presentation
28	synthetic seed production	synthetic seed production	30-07-2021	2	2	Lecture	ICT presentation
29	synthetic seed production	synthetic seed production	27-07-2021	3	2	Lecture	ICT presentation
30	Somatic embryogenesis	Somatic embryogenesis	26-07-2021	2	2	Lecture	ICT presentation
31	meristem culture	meristem culture	23-07-2021	2	2	Lecture	ICT presentation
32	Shoot tip culture culture	Shoot tip culture	19-07-2021	3	2	Lecture	ICT presentation

Dr. Dhanya Thomas T T

Staffname & Signature:



Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:BSBO2019 Semester:SS

Subject Planner Report Of BOT5B08T Tissue culture, Horticulture, Economic Botany & Ethnobotany

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Revision of In vitro preservation of germplasm	Revision of In vitro preservation of germplasm	26-11-2021	3	2	Remedial	ICT presentation
2	Revision of In vitro production of haploids & anther and pollen culture	Revision of In vitro production of haploids & anther and pollen culture	24-11-2021	2	2	Remedial	ICT presentation
3	Revision of cell immobilization, bioreactors	Revision of cell immobilization, bioreactors	19-11-2021	3	2	Remedial	ICT presentation
4	Revision of In vitro secondary metabolite production	Revision of In vitro secondary metabolite production	17-11-2021	2	2	Remedial	ICT presentation
5	Revision of cybridization	Revision of cybridization	12-11-2021	3	2	Remedial	ICT presentation
6	Revision of Somatic cell hybridization	Revision of Somatic cell hybridization	10-11-2021	2	2	Remedial	ICT presentation
7	Revision of transformation and transgenics	Revision of transformation and transgenics	05-11-2021	3	2	Remedial	ICT presentation
8	Revision of Protoplast isolation culture	Revision of Protoplast isolation culture	02-11-2021	2	2	Remedial	ICT presentation
9	Revision of Embryo culture	Revision of Embryo culture	28-10-2021	3	2	Remedial	ICT presentation
10	Revision of synthetic seed production	Revision of synthetic seed production	26-10-2021	2	2	Remedial	ICT presentation
11	Revision of Shoot tip and meristem culture	Revision of Shoot tip and meristem culture	08-10-2021	2	2	Tutorial	ICT presentation
12	In vitro preservation of germplasm	In vitro preservation of germplasm	05-10-2021	3	2	Lecture	ICT presentation
13	In vitro preservation of germplasm	In vitro preservation of germplasm	01-10-2021	2	2	Lecture	ICT presentation
14	anther and pollen culture	anther and pollen culture	28-09-2021	3	2	Lecture	ICT presentation
15	anther and pollen culture	anther and pollen culture	24-09-2021	2	2	Lecture	ICT presentation
16	In vitro production of haploids	In vitro production of haploids	20-09-2021	3	2	Lecture	ICT presentation
17	bioreactors	bioreactors	16-09-2021	2	2	Lecture	ICT presentation
18	cell immobilization	cell immobilization	13-09-2021	3	2	Lecture	ICT presentation
19	In vitro secondary metabolite production	In vitro secondary metabolite production	09-09-2021	2	2	Lecture	ICT presentation
20	cybridization	cybridization	06-09-2021	3	2	Lecture	ICT presentation
21	Somatic cell hybridization	Somatic cell hybridization	02-09-2021	2	2	Lecture	ICT presentation
22	transformation and transgenics	transformation and transgenics	17-08-2021	3	2	Lecture	ICT presentation
23	regeneration	regeneration	13-08-2021	2	2	Lecture	ICT presentation
24	Protoplast isolation culture	Protoplast isolation culture	10-08-2021	3	2	Lecture	ICT presentation
25	Protoplast isolation culture	Protoplast isolation culture	06-08-2021	2	2	Lecture	ICT presentation
26	Embryo culture	Embryo culture	03-08-2021	3	2	Lecture	ICT presentation
27	Embryo culture	Embryo culture	02-08-2021	2	2	Lecture	ICT presentation
28	synthetic seed production	synthetic seed production	30-07-2021	2	2	Lecture	ICT presentation
29	synthetic seed production	synthetic seed production	27-07-2021	3	2	Lecture	ICT presentation
30	Somatic embryogenesis	Somatic embryogenesis	26-07-2021	2	2	Lecture	ICT presentation
31	meristem culture	meristem culture	23-07-2021	2	2	Lecture	ICT presentation
32	Shoot tip culture	Shoot tip culture	19-07-2021	3	2	Lecture	ICT presentation

Dr. Dhanya Thomas T T

Staffname & Signature:



Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA, Thrissur

Department:BOTANY Batch:BSBO2021 Semester:S1

Subject Planner Report Of BOT1B01T Angiosperm Anatomy, Reproductive Botany & palynology

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Reproductive botany	Introduction to angiosperm embryology	22-11-2021	4	1	Lecture	PPT,Discussion
2	Reproductive botany	Indian embryologists	24-11-2021	1	1	Lecture	PPT,Discussion
3	Reproductive botany	Microsporogenesis	29-11-2021	4	2	Lecture	PPT,Discussion
4	Reproductive botany	Structure and function of anther wall layers	1/12/2021	1	2	Lecture	
5	Reproductive botany	Development of male gametophyte	6/12/2021	4	2	Lecture	PPT,Discussion
6	Reproductive botany	Dehiscence of anther	8/12/2021	1	2	Lecture	
7	Reproductive botany	Megasporogenesis	13-12-2021	4	3	Lecture	PPT,Discussion
8	Reproductive botany	Development of female gametophyte	15-12-2021	1	3	Lecture	
9	Reproductive botany	Embryosac-development	20-12-2021	4	3	Lecture	PPT,Discussion
10	Reproductive botany	Types- monosporic	22-12-2021	1	3	Lecture	PPT
11	Reproductive botany	Bisporic: Allium type	3/1/2022	4	3	Lecture	
12	Reproductive botany	Tetrasporic: Adoxa type	5/1/2022	1	3	Lecture	
13	Reproductive botany	Pollination	10/1/2022	4	4	Lecture	PPT
14	Reproductive botany	Fertilization	12/1/2022	1	4	Lecture	PPT
15	Reproductive botany	Barriers of fertilization	17-1-2022	4	4	Lecture	Discussion
16	Reproductive botany	Germination of pollen grains	19-1-2022	1	4	Lecture	PPT
17	Reproductive botany	Double fertilization	24-1-2022	4	4	Lecture	PPT
18	Reproductive botany	Structure of embryo dicot	27-1-2022	1	5	Lecture	
19	Reproductive botany	Monocot (Sagittaria)	1/2/2022	4	5	Lecture	

20	Reproductive botany	Endosperm types	3/2/2022	1	5	Lecture	
21	Palynology	Pollen morphology	8/2/2022	4	1	Lecture	PPT
22	Palynology	Pollen morphology	10/2/2022	1	1	Lecture	
23	Palynology	Economic and taxonomic importance	15-2-2022	4	1	Lecture	Discussion

Staff name & Signature: Dr.Sr.kochuthressia K P

Sr. Kochuthressia K P



Anella

**Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732**

CARMEL COLLEGE, MALA

Thrissur

Department:BOTANY Batch:MSBO2021 Semester:S1

Subject Planner Report Of BOT01CT03 : Angiosperm Anatomy, Embryology, Palynology and Lab Techniques

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Angiosperm embryology	Introduction	7/1/2022	2	1	Lecture	PPT
2	Angiosperm embryology	Structure of anther	7/1/2022	3	1	Lecture	PPT
3	Angiosperm embryology	Microsporogenesis	13-01-2022	1	2	Lecture	PPT
4	Angiosperm embryology	Wall layers	14-01-2022	2	2	Lecture	PPT
5	Angiosperm embryology	Role of tapetum	14-01-2022	3	2	Lecture	PPT
6	Angiosperm embryology	Male gametophyte	20-01-2022	1	3	Lecture	PPT
7	Angiosperm embryology	Heterospory.	21-01-2022	2	3	Lecture	PPT
8	Angiosperm embryology	Megasporogenesis	21-01-2022	3	4	Lecture	PPT
9	Angiosperm embryology	Megaspore triad	28-01-2022	1	4	Lecture	PPT
10	Angiosperm embryology	Embryo sac	31-01-2022	2	5	Lecture	PPT
11	Angiosperm embryology	Theories of nature of embryo sac	31-01-2022	3	5	Lecture	Discussion
12	Angiosperm embryology	Pollination	4/2/2022	1	6	Lecture	PPT
13	Angiosperm embryology	Pollen - pistil interaction	7/2/2022	2	6	Lecture	PPT
14	Angiosperm embryology	In vitro pollination and fertilization	7/2/2022	3	6	Lecture	PPT
15	Angiosperm embryology	Fertilization	11/2/2022	1	7	Lecture	PPT
16	Angiosperm embryology	Structure and development of embryos	14-02-2022	2	8	Lecture	PPT
17	Angiosperm embryology	Endosperm	14-02-2022	3	9	Lecture	PPT
18	Angiosperm embryology	Polyembryony	18-02-2022	1	10	Lecture	PPT
19	Angiosperm embryology	Apomixis	21-02-2022	2	11	Lecture	PPT

20	Angiosperm embryology	Parthenocarpy	21-02-2022	3	12	Lecture	PPT
21	Angiosperm embryology	. Experimental embryology	25-02-2022	1	13	Lecture	PPT
22	Angiosperm embryology	Embryology in relation to taxonomy	28-02-2022	2	14	Lecture	PPT
23	Palynology	Introduction	28-02-2022	3	1	Lecture	PPT
24	Palynology	Contributions	7/3/2022	1	1	Lecture	PPT
25	Palynology	Structure of pollen wall	8/3/2022	2	2	Lecture	PPT
26	Palynology	Pollen morphology	8/3/2022	3	2	Lecture	PPT
27	Palynology	Pollen evolution	14-03-2022	1	2	Lecture	PPT
28	Palynology	Aero-palynology	15-03-2022	2	3	Lecture	PPT
29	Palynology	Melittopalynology	15-03-2022	3	4	Lecture	PPT
30	Palynology	Recent advances in palynological studies	21-03-2022	1	5	Lecture	Discussion
31	Palynology	Pollen allergy	22-03-2022	2	5	Lecture	PPT
32	Palynology	Paleopalynology	22-03-2022	3	5	Lecture	PPT
33	Palynology	Palynology in relation to taxonomy	28-03-2022	1	6	Lecture	PPT
34	Palynology	Eurypalynous	29-03-2022	2	6	Lecture	Discussion
35	Palynology	Stenopalynous taxa	29-03-2022	3	6	Lecture	Discussion

Staff name & Signature: Dr.sr.Kochuthressia k P

[Handwritten Signature]



[Handwritten Signature]
Head
Department of Botany
Carmel College, Mala
Thrikkur, Kerala - 680732

CARMEL COLLEGE, MALA

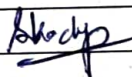
Thrissur

Department:BOTANY Batch:MSBO2021 Semester:S1

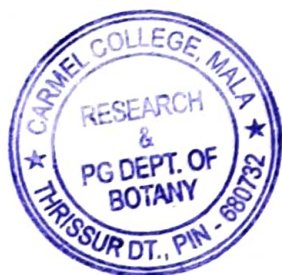
Subject Planner Report Of BOT01CP05 Practicals of Microbiology, Plant Pathology, Angiosperm anatomy, Embryology, Palynology and Lab Techniques.

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Embryology	Datura anther TS	13-01-2022	2	1	Practical	Demonstration
2	Embryology	Different types of Ovules	20-01-2022	2	2	Practical	Demonstration
3	Embryology	Embryosac	28-01-2022	2	4	Practical	Demonstration
4	Embryology	Dicot and monocot embryos	4/2/2022	2	5	Practical	Demonstration
5	Embryology	Embryo dissection	11/2/2022	2	5	Practical	Demonstration
6	Palynology	Pollen morphology	18-02-2022	2	1	Practical	Demonstration
7	Palynology	Pollen germination	25-02-2022	2	1	Practical	Demonstration
8	Palynology	Pollen germination	7/3/2022	2	1	Practical	
9	Palynology	Test for viability	14-03-2022	2	1	Practical	
10	Palynology	Model Practical	21-03-2022	2	1	Practical	
11	Palynology	Model Practical	28-03-2022	2	1	Practical	

Staffname & Signature: Dr.Sr.Kochuthressia K P




Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732



CARMEL COLLEGE, MALA

Thrissur

Department:BOTANY Batch:MSBO2020 Semester:S4

Subject Planner Report Of BOT04ET02 Pathology of Plantation Crops and Spices.

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Plant Pathology	Biocontrol agents of disease management	5/1/2022	1	7	Lecture	PPT, Discussion
2	Plant Pathology	Fungal and bacterial products	10/1/2022	3	7	Lecture	PPT, Discussion
3	Plant Pathology	Mode of application and mode of action	12/1/2022	1	7	Lecture	PPT, Discussion
4	Plant Pathology	Botanicals as plant protectants	17-01-2022	3	8	Lecture	PPT, Discussion
5	Plant Pathology	Major sources, active principles	19-01-2022	4	8	Lecture	PPT, Discussion
6	Plant Pathology	Mode of application and mode of action	24-01-2022	3	8	Lecture	PPT, Discussion
7	Plant Pathology	Integrated pest management	27-01-2022	4	9	Lecture	PPT, Discussion
8	Plant Pathology	Disease management	1/2/2022	3	9	Lecture	PPT, Discussion
9	Plant Pathology	Bud rot of coconut	3/2/2022	4	10	Lecture	PPT, Discussion
10	Plant Pathology	Stem bleeding of coconut	8/2/2022	3	10	Lecture	PPT, Discussion
11	Plant Pathology	Nut fall of arecanut	10/2/2022	4	10	Lecture	PPT, Discussion
12	Plant Pathology	Foot rot of black pepper	15-02-2022	3	10	Lecture	PPT, Discussion
13	Plant Pathology	Anthrachnose of black pepper	17-02-2022	4	10	Lecture	PPT, Discussion
14	Plant Pathology	Fungal soft rot of ginger	22-02-2022	3	10	Lecture	PPT, Discussion
15	Plant Pathology	Bacterial wilt of ginger	24-02-2022	4	10	Lecture	PPT, Discussion
16	Plant Pathology	Rhizome rot of cardamom	2/3/2022	3	10	Lecture	PPT, Discussion
17	Plant Pathology	Capsule rot of cardamom	4/3/2022	4	10	Lecture	PPT, Discussion
18	Plant Pathology	Abnormal leaf fall of rubber	9/3/2022	3	10	Lecture	PPT, Discussion
19	Plant Pathology	Pod rot of cocoa	11/3/2022	4	10	Lecture	PPT, Discussion

Staffname & Signature: Dr.sr.Kochuthressia K P





Head
 Department of Botany
 Carmel College, Mala

CARMEL COLLEGE, MALA

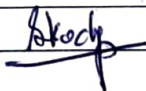
Thrissur

Department:BOTANY Batch:MSBO2020 Semester:S4

Subject Planner Report Of BOT04EP01 Practicals of Electives

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Plant pathology	Bud rot of coconut	4/1/2022	3	10	Practical	
2	Plant pathology	Stem bleeding of coconut	11/1/2022	3	10	Practical	
3	Plant pathology	Nut fall of arecanut	18-01-2022	3	10	Practical	
4	Plant pathology	Foot rot of black pepper	25-01-2022	3	10	Practical	
5	Plant pathology	Anthrachnose of black pepper	2/2/2022	3	10	Practical	
6	Plant pathology	Fungal soft rot of ginger	9/2/2022	3	10	Practical	
7	Plant pathology	Bacterial wilt of ginger	16-02-2022	3	10	Practical	
8	Plant pathology	Rhizome rot of cardamom	23-02-2022	3	10	Practical	
9	Plant pathology	Capsule rot of cardamom	3/3/2022	3	10	Practical	
10	Plant pathology	abnormal leaf fall of rubber	10/3/2022	3	10	Practical	
11	Plant pathology	Pod rot of cocoa.	17-03-2022	3	10	Practical	
12	Plant pathology	Model Practicls	24-03-2022	3	10	Practical	
13	Plant pathology	Model Pracrical	31-03-2022	3	10	Practical	

Staffname & Signature: Dr.Sr.Kochuthressia K P



Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



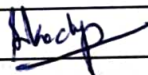
CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:BSBO2019 Semester:S6

Subject Planner Report Of BOT6B10T Genetics & Plant Breeding

Sl.n	Topic Name	Description	Date	Hou r	Modul e	Mode of Instruction	Teaching Pedagogy
1	Plant Breeding	Objectives of Plant breeding	23-02- 2022	4	1	Lecture	PPT
2	Plant Breeding	Plant Genetic Resources	3/3/2022	4	1	Lecture	PPT
3	Plant Breeding	Plant introduction	10/3/202 2	4	2	Lecture	
4	Plant Breeding	Selection	17-03- 2022	4	2	Lecture	
5	Plant Breeding	Hybridization	24-03- 2022	4	2	Lecture	
6	Plant Breeding	Modern tools for plant breeding	31-03- 2022	4	2	Lecture	

Staffname & Signature: Dr.Sr.Kochuthressia K P





Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA

Thrissur

Department:BOTANY Batch:BSBO2019 Semester:S6

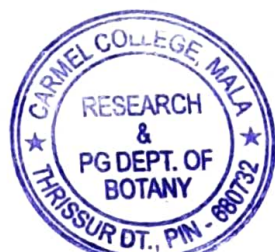
Subject Planner Report Of BOT6B14T Genetics and Crop Improvement

Sl.no	Topic Name	Description	Date	H ou r	Module	Mode of Instruction	Teaching Pedagogy
1	Crop improvement	Crop genetics	4/1/2022	2	1	Lecture	PPT,Discussion
2	Crop improvement	General account of origin	5/1/2022	2	1	Lecture	
3	Crop improvement	Genetic variability,	5/1/2022	5	1	Lecture	PPT,Discussion
4	Crop improvement	Floral biology, breeding techniques and achievements	11/1/2022	2	1	Lecture	PPT
5	Crop improvement	Rice, Coconut	12/1/2022	2	1	Lecture	
6	Crop improvement	Rubber, Arecanut	12/1/2022	5	1	Lecture	PPT,Discussion
7	Crop improvement	Cashew and Pepper	18-01-2022	2	1	Lecture	
8	Crop improvement	Plant genetic resources	19-01-2022	2	2	Lecture	
9	Crop improvement	Exploration, conservation	19-01-2022	5	2	Lecture	PPT,Discussion
10	Crop improvement	Evaluation, documentation	25-01-2022	2	2	Lecture	PPT
11	Crop improvement	utilization.	27-01-2022	2	2	Lecture	
12	Crop improvement	NBPGR and IPGRI	27-01-2022	5	2	Lecture	PPT,Discussion
13	Crop improvement	International institutes	2/2/2022	2	2	Lecture	PPT
14	Crop improvement	ARI, CCMB, IISc, BARC	3/2/2022	2	2	Lecture	
15	Crop improvement	CPCRI, IISR, RRII, CTCRI,	3/2/2022	5	2	Lecture	PPT,Discussion
16	Crop improvement	KFRI, JNTBGRI	9/2/2022	2	2	Lecture	
17	Crop improvement	Methods of crop Improvement	10/2/2022	2	3	Lecture	PPT,Discussion
18	Crop improvement	Plant introduction	10/2/2022	5	3	Lecture	PPT

19	Crop improvement	Selection	16-02-2022	2	3	Lecture	
20	Crop improvement	Hybridization	17-02-2022	2	3	Lecture	
21	Crop improvement	Interspecific hybridization;	17-02-2022	5	3	Lecture	PPT,Discussion
22	Crop improvement	Intergeneric	23-02-2022	2	3	Lecture	PPT
23	Crop improvement	Achievements	24-02-2022	2	3	Lecture	
24	Crop improvement	Genetics of back crossing	24-02-2022	5	3	Lecture	PPT,Discussion
25	Crop improvement	Inbreeding	3/3/2022	2	3	Lecture	
26	Crop improvement	Inbreeding depression	4/3/2022	2	3	Lecture	PPT
27	Crop improvement	Heterosis	4/3/2022	5	3	Lecture	PPT,Discussion
28	Crop improvement	Heterobeltiosis	10/3/2022	2	3	Lecture	
29	Crop improvement	Heteroploidy in crop improvement	11/3/2022	2	4	Lecture	PPT
30	Crop improvement	Significance of haploids and polyploids	11/3/2022	5	4	Lecture	PPT
31	Crop improvement	Mutations in crop improvement	17-03-2022	2	4	Lecture	PPT
32	Crop improvement	achievements and future prospects	18-03-2022	2	4	Lecture	PPT
33	Crop improvement	Genetics of nitrogen fixation	18-03-2022	5	4	Lecture	PPT,Discussion
34	Crop improvement	Use of biofertilizers in crop improvement	24-03-2022	2	4	Lecture	
35	Crop improvement	Genetics of photosynthesis	25-03-2022	2	4	Lecture	PPT,Discussion

Staff name & Signature: Dr.Sr.Kochuthressia k P

Kochuthressia k P



Anella
Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732

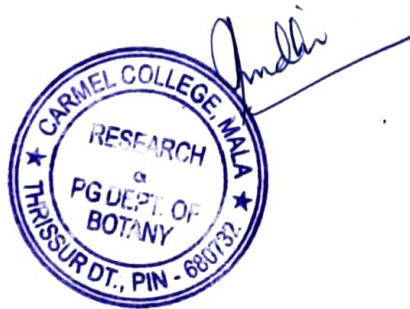
hr AD
8/3/22

CARMEL COLLEGE, MALA, THRISSUR
DEPARTMENT:BOTANY BATCH:BSBO2019 SEMESTER:S6
Subject Planner Report Of BOT6B13T Environmental Science

Sl. no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Environmental Science	Construction of phytographs.	30-03-2022	2	4	Lecture	Presentation & Discussion
2	Environmental Science	species area curve, density, frequency, abundance, dominance of populations	29-03-2022	1	4	Lecture	Presentation & Discussion
3	Environmental Science	importance value index	29-03-2022	4	4	Lecture	Presentation & Discussion
4	Environmental Science	Quadrat and transect methods	23-03-2022	2	4	Lecture	Presentation & Discussion
5	Environmental Science	Desert; Forest; Grass land.	22-03-2022	1	4	Lecture	Presentation & Discussion
6	Environmental Science	Techniques in plant community studies	22-03-2022	4	4	Lecture	Presentation & Discussion
7	Environmental Science	Lotic ecosystem: river	16-03-2022	2	4	Lecture	Presentation & Discussion
8	Environmental Science	Sea; Estuarine ecosystem	15-03-2022	1	4	Lecture	Presentation & Discussion
9	Environmental Science	Lentic ecosystem: lake, Pond;	15-03-2022	4	4	Lecture	Presentation & Discussion
10	Environmental Science	Major ecosystems of the Biosphere	9/3/2022	2	4	Lecture	Presentation & Discussion
11	Environmental Science	Organizationsâ€œ IUCN, UNEP & WWF; (NBPGR	8/3/2022	1	2	Lecture	Presentation & Discussion
12	Environmental Science	(NBPGR) Kerala state Biodiversity Board (KSBB).	8/3/2022	4	2	Lecture	Presentation & Discussion
13	Environmental Science	Conservation strategies ex situ and in situ methods	2/3/2022.	2	2	Lecture	Presentation & Discussion
14	Environmental Science	Red data book, Exotic and indigenous plant species	28-02-2022	1	2	Lecture	Presentation & Discussion
15	Environmental Science	Keystone species, Flagship species, Umbrella species, Indicator species.	28-02-2022	4	2	Lecture	Presentation & Discussion
16	Environmental Science	Threats to biodiversity; Endangered and endemic plant species	22-02-2022	2	2	Lecture	Presentation & Discussion
17	Environmental Science	Biosphere reserves	21-02-2022	1	2	Lecture	Presentation & Discussion
18	Environmental Science	Biodiversity centres in India.	21-02-2022	4	2	Lecture	Presentation & Discussion
19	Environmental Science	Megadiversity nations and hotspots:	15-02-2022	2	2	Lecture	Presentation & Discussion

Sl. No	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
20	Environmental Science	Biodiversity and Conservation: Definition; Biodiversity	14-02-2022	1	2	Lecture	Presentation & Discussion
21	Environmental Science	Biodiversity and Conservation: - Global and Indian Scenario	14-02-2022	4	2	Lecture	Presentation & Discussion
22	Environmental Science	Plant succession- Hydrosere	8/2/2022	2	1	Lecture	Presentation & Discussion
23	Environmental Science	Mechanism of plant succession	7/2/2022	1	1	Lecture	Presentation & Discussion
24	Environmental Science	Plant succession- Xerosere	7/2/2022	4	1	Lecture	Presentation & Discussion
25	Environmental Science	Plant Succession: Definition " Primary and Secondary succession; Autogenic and allogenic succession	1/2/2022	2	1	Lecture	Presentation & Discussion
26	Environmental Science	Adaptations in Halophytes,	31-01-2022	1	1	Lecture	Presentation & Discussion
27	Environmental Science	Adaptations in Epiphytes and Parasites	31-01-2022	4	1	Lecture	Presentation & Discussion
28	Environmental Science	Adaptations in Xerophytes,	24-01-2022	2	1	Lecture	Presentation & Discussion
29	Environmental Science	Biogeochemical cycles (Phosphorous)	21-01-2022	1	1	Lecture	Presentation & Discussion
30	Environmental Science	Adaptations in Hydrophytes	21-01-2022	4	1	Lecture	Presentation & Discussion
31	Environmental Science	Biogeochemical cycles (Nitrogen)	17-01-2022	2	1	Lecture	Presentation & Discussion
32	Environmental Science	Productivity of ecosystems.	14-01-2022	1	1	Lecture	Presentation & Discussion
33	Environmental Science	Biogeochemical cycles (Carbon)	14-01-2022	4	1	Lecture	Presentation & Discussion
34	Environmental Science	Ecological pyramids, Energy flow	10/1/2022	2	1	Lecture	Presentation & Discussion
35	Environmental Science	Ecosystem: Definition, abiotic and biotic factors	7/1/2022	1	1	Lecture	Presentation & Discussion
36	Environmental Science	Trophic structure, Food chain and food web	7/1/2022	4	1	Lecture	Presentation & Discussion

Dr. Roby T J
05-01-2022



Head
Department of Botany
Carmel College, Mala
Thiruvananthapuram, Kerala - 680732

CARMEL COLLEGE, MALA, THRISSUR

DEPARTMENT:BOTANY BATCH:BSBO2020 SEMESTER:S4

Subject Planner Report Of BOT4B04T Methodology and Perspectives in Plant Science

Sl. no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Microtechnique	<i>Mounting, whole mounting, maceration and smears</i>	10/2/2022	4	2	Lecture	Presentation & Discussion
2	Microtechnique	<i>Staining " General account, Classification: natural dyes, coal tar dyes. Double staining, Vital staining</i>	9/2/2022	3	2	Lecture	Presentation & Discussion
3	Microtechnique	<i>Free hand sectioning; Microtome (Rotary and sledge) serial sectioning and its significance</i>	8/2/2022	1	2	Lecture	Presentation & Discussion
4	Microtechnique	<i>Infiltration: paraffin wax method, embedding</i>	7/2/2022	5	2	Lecture	Presentation & Discussion
5	Microtechnique	<i>Dehydration and infiltration " general account of dehydration</i>	3/2/2022	4	2	Lecture	Presentation & Discussion
6	Microtechnique	<i>Dehydration and infiltration ;(Ethanol, Isopropyl alcohol, Acetone, Glycerine). Ethanol " Xylene series and Tertiary Butyl Alcohol Series.</i>	3/2/2022	5	2	Lecture	Presentation & Discussion
7	Microtechnique	<i>Common fixatives " Formalin " Acetic " Alcohol, Carnoy's fluids I & II, Chromic acid " Acetic acid " Formation (CRAF)</i>	2/2/2022	3	2	Lecture	Presentation & Discussion
8	Microtechnique	<i>General account of Killing and fixing, agents used for killing and fixing</i>	1/2/2022	1	2	Lecture	Presentation & Discussion
9	Microtechnique	<i>Illustrations using digital camera and Photomicrography.</i>	31-01-2022	5	1	Lecture	Presentation & Discussion
10	Microtechnique	<i>Electron microscope: Scanning Electron Microscopy (SEM)</i>	27-01-2022	4	1	Lecture	Presentation & Discussion
11	Microtechnique	<i>Micrometry: Stage micrometer, Ocular micrometer, Calibration and working</i>	27-01-2022	5	1	Lecture	Presentation & Discussion
12	Microtechnique	<i>Electron microscope: Transmission Electron Microscopy (TEM)</i>	25-01-2022	3	1	Lecture	Presentation & Discussion

Sl. no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
13	Microtechnique	<i>Fluorescent microscope,</i>	24-01-2022	1	1	Lecture	Presentation & Discussion
14	Microtechnique	<i>Phase contrast microscope,</i>	21-01-2022	5	1	Lecture	Presentation & Discussion
15	Microtechnique	<i>Types of microscopes: Light microscope,</i>	19-01-2022	4	1	Lecture	Presentation & Discussion
16	Microtechnique	<i>Compound microscope</i>	19-01-2022	5	1	Lecture	Presentation & Discussion
17	Microtechnique	<i>Principles of microscopy and parts of microscopes</i>	18-01-2022	3	1	Lecture	Presentation & Discussion
18	Biophysics	<i>Chromatography : Molecular sieving.</i>	17-01-2022	1	1	Lecture	Presentation & Discussion
19	Biophysics	<i>Chromatography - Ion exchange chromatography</i>	14-01-2022	5	1	Lecture	Presentation & Discussion
20	Biophysics	<i>Chromatography : Adsorption chromatography</i>	12/1/2022	4	1	Lecture	Presentation & Discussion
21	Biophysics	<i>Chromatography - Partition chromatography,</i>	12/1/2022	5	1	Lecture	Presentation & Discussion
22	Biophysics	<i>Chromatography - Principle and types</i>	11/1/2022	3	1	Lecture	Presentation & Discussion
23	Biophysics	<i>Centrifugation: applications</i>	10/1/2022	1	1	Lecture	Presentation & Discussion
24	Biophysics	<i>Centrifugation: Principle, types of centrifuges</i>	7/1/2022	5	1	Lecture	Presentation & Discussion
25	Biophysics	<i>Photometry: Spectrophotometry, principle</i>	5/1/2022	4	1	Lecture	Presentation & Discussion
26	Biophysics	<i>Photometry: principle, working and uses</i>	5/1/2022	5	1	Lecture	Presentation & Discussion
27	Biophysics	<i>Photometry: Colorimetry</i>	4/1/2022	3	1	Lecture	Presentation & Discussion
28	Biophysics	<i>Preparation and use of buffers in biological studies.</i>	3/1/2022	1	1	Lecture	Presentation & Discussion
29	Biophysics	<i>Acids and bases, buffers and pH</i>	22-12-2021	4	1	Lecture	Presentation & Discussion
30	Biophysics	<i>measurement of pH.</i>	22-12-2021	5	1	Lecture	Presentation & Discussion
31	Biophysics	<i>Acids and bases, buffers and pH</i>	21-12-2021	3	1	Lecture	Presentation & Discussion
32	Biophysics	<i>Solutions: representing concentrations: Percentage and ppm</i>	20-12-2021	1	1	Lecture	Presentation & Discussion
33	Biophysics	<i>Solutions: representing concentrations: Molarity,</i>	17-12-2021	5	1	Lecture	Presentation & Discussion

Sl. no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
		Normality,					
34	Scientific methods	Latest methods of presentation.	15-12-2021	4	1	Lecture	Presentation & Discussion
35	Scientific methods	Latest methods of presentation.	15-12-2021	5	1	Lecture	Presentation & Discussion
36	Scientific methods	Sources of reference: NCBI, Inflight, e-pathshala	14-12-2021	3	1	Lecture	Presentation & Discussion
37	Scientific methods	Sources of reference: Google Scholar, Shodhganga,	13-12-2021	1	1	Lecture	Presentation & Discussion
38	Scientific methods	Impact Factor	10/12/2021	5	1	Lecture	Presentation & Discussion
39	Scientific methods	Style of citation,	8/12/2021	4	1	Lecture	Presentation & Discussion
40	Scientific methods	Biological Journals	8/12/2021	5	1	Lecture	Presentation & Discussion
41	Scientific methods	Structure of Research report	7/12/2021	3	1	Lecture	Presentation & Discussion
42	Scientific methods	Steps in scientific methods	6/12/2021	1	1	Lecture	Presentation & Discussion
43	Scientific methods	Steps in scientific methods	3/12/2021	5	1	Lecture	Presentation & Discussion



Dr. Roby TJ
10/2/2022



Head
Department of Botany
Carmel College, Mala
Thiruvananthapuram - 689732



CARMEL COLLEGE, MALA, THRISSUR

DEPARTMENT:BOTANY BATCH:MSBO2021 SEMESTER:S1

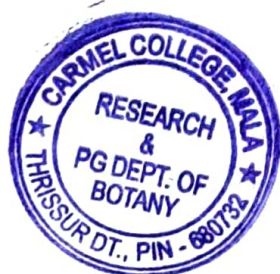
Subject Planner Report Of BOT01CT01 Phycology, Bryology, Pteridology and Gymnosperms

Sl. no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Bryology	<i>General characters</i>	10/1/2022	5	1	Lecture	Presentation & Discussion
2	Bryology	<i>General characters</i>	10/1/2022	5	1	Lecture	Presentation & Discussion
3	Bryology	<i>Systems of classifications</i>	12/1/2022	1	1	Lecture	Presentation & Discussion
4	Bryology	<i>General account of the anatomy, reproduction, life history and phylogeny of Sphaerocarpaceae</i>	17-01-2022	5	2	Lecture	Presentation & Discussion
5	Bryology	<i>General account of the anatomy, reproduction, life history and phylogeny of Marchantiales</i>	19-01-2022	1	2	Lecture	Presentation & Discussion
6	Bryology	<i>General account of the anatomy, reproduction, life history and phylogeny of Sphaerocarpaceae</i>	19-01-2022	1	1	Lecture	Presentation & Discussion
7	Bryology	<i>General account of the anatomy, reproduction, life history and phylogeny of Jungermanniales,</i>	24-01-2022	5	2	Lecture	Presentation & Discussion
8	Bryology	<i>General account of the anatomy, reproduction, life history and phylogeny of Calobryales</i>	27-01-2022	1	2	Lecture	Presentation & Discussion
9	Bryology	<i>General account of the anatomy, reproduction, life history and phylogeny of Anthocerotales</i>	1/2/2022	5	2	Lecture	Presentation & Discussion
10	Bryology	<i>General account of the anatomy, reproduction, life history and phylogeny of Sphagnales,</i>	3/2/2022	1	2	Lecture	Presentation & Discussion
11	Bryology	<i>General account of the anatomy, reproduction, life history and phylogeny of Jungermanniales</i>	3/2/2022	1	2	Lecture	

Sl. no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
12	Bryology	General account of the anatomy, reproduction, life history and phylogeny of <i>Andreales</i>	8/2/2022	5	2	Lecture	Presentation & Discussion
13	Bryology	General account of the anatomy, reproduction, life history and phylogeny of <i>Funariales</i>	10/2/2022	1	2	Lecture	Presentation & Discussion
14	Bryology	General account of the anatomy, reproduction, life history and phylogeny of <i>Polytrichales</i>	15-02-2022	5	2	Lecture	Presentation & Discussion
15	Bryology	General account of the anatomy, reproduction, life history and phylogeny of	17-02-2022	1	2	Lecture	Presentation & Discussion
16	Bryology	Origin and evolution of Bryophytes-gametophytic and sporophytic.	24-02-2022	1	3	Lecture	Presentation & Discussion
17	Bryology	Origin and evolution of Bryophytes-gametophytic and sporophytic.	4/3/2022	1	3	Lecture	Presentation & Discussion
18	Bryology	A general account of fossil Bryophytes and their affinities.	11/3/2022	1	4	Lecture	Presentation & Discussion
19	Bryology	A general account of fossil Bryophytes and their affinities.	18-03-2022	1	4	Lecture	Presentation & Discussion
20	Bryology	Economic importance of Bryophytes.	25-03-2022	1	5	Lecture	Presentation & Discussion

Dr. Roby T J

Dr. Roby T J
8/01/2021



[Signature]
Head
Department of Botany
Carmel College, Mala,
Thirissur, Kerala - 680732

h: AD
8/3/22

CARMEL COLLEGE, MALA
Thrissur

Department: BOTANY Batch: MSBO2021 Semester: 51

Subject Planner Report Of BOT01CP05 Practicals of Microbiology, Plant Pathology, Angiosperm anatomy, Embryology, Palynology and Lab Techniques.

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Microscope: microscopic measurements	Microscope: microscopic measurements	10-01-2022	1	1	Lecture	PPT
2	Microtomes	Microtomes	10-01-2022	4	1	Practical	Discussion
3	. Killing, fixing and staining	Killing, fixing	17-01-2022	3	1	Lecture	PPT, Discussion
4	staining of plant tissues	staining of plant tissues	17-01-2022	4	1	Lecture	PPT, Discussion
5	Important reagents and chemicals used in the preparation of fixatives	Important reagents and chemicals used in the preparation of fixatives	24-01-2022	3	1	Lecture	PPT, Discussion
6	Fixatives - FAA, Carnoy's fluid, chrome acetic, Nawaschins fluid	Fixatives - FAA, Carnoy's fluid, chrome acetic, Nawaschins fluid	24-01-2022	4	1	Practical	Discussion
7	Craf, Flemings- composition, preparation and specific uses.	Craf, Flemings- composition, preparation and specific uses.	01-02-2022	3	2	Lecture	PPT, Discussion
8	Dehydrating agents, clearing agents, mounting medÄ-a.	Dehydrating agents, clearing agents, mounting medÄ-a.	01-02-2022	4	2	Lecture	PPT, Discussion
9	Stains - classification, composition and specific uses	Stains - classification, composition and specific uses	08-02-2022	3	2	Practical	Practical, Discussion
10	safranin, crystal violet, cotton blue, fast green, Orange - G, hematoxylin, carmine.	safranin, crystal violet, cotton blue, fast green, Orange - G, hematoxylin, carmine.	08-02-2022	4	2	Lecture	PPT, Discussion
11	Brief account of vital staining.	Brief account of vital staining.	15-02-2022	3	2	Lecture	PPT, Discussion
12	Double staining.	Double staining.	15-02-2022	4	2	Lecture	PPT, Discussion
13	Saffranin - Fast green	Saffranin - Fast green	22-02-2022	4	2	Practical	PPT, Discussion
14	Crystal violet ä€" Orange G	Crystal violet ä€" Orange G	22-02-2022	5	3	Lecture	PPT, Discussion
15	Methods of embedding plant materials in paraffin wax	Methods of embedding plant materials in paraffin wax	02-03-2022	4	3	Lecture	PPT, Discussion
16	TBA method; embedding for Electron microscopy	TBA method; embedding for Electron microscopy	02-03-2022	5	3	Practical	Practical, Discussion
17	Sectioning of embedded paraffin wax materials using Rotary Microtome	Sectioning of embedded paraffin wax materials using Rotary Microtome	09-03-2022	4	3	Lecture	PPT, Discussion
18	Double stainÄ-ng of microtome serial sections embedding in paraffin wax	Double stainÄ-ng of microtome serial sections embedding in paraffin wax	09-03-2022	5	3	Lecture	PPT, Discussion
19	Saffranin - fast green; Crystal violet - Orange G / Erythrosin	Saffranin - fast green; Crystal violet - Orange G / Erythrosin	16-03-2022	4	4	Lecture	PPT, Discussion
20	Whole mounts - general account	Whole mounts - general account	16-03-2022	5	4	Practical	Practical, Discussion
21	Maceration, smears	Maceration, smears	23-03-2022	4	4	Lecture	PPT, Discussion
22	Histochemical tests	Histochemical tests	23-03-2022	5	4	Lecture	PPT, Discussion
23	PAS Test - insoluble polysaccharides	PAS Test - insoluble polysaccharides	30-03-2022	4	4	Lecture	PPT, Discussion
24	Sudan black -lipids, Nucleic Acids	Sudan black -lipids, Nucleic Acids	30-03-2022	5	4	Lecture	PPT, Discussion

Dr Sinjumol Thomas

Staff name & Signature:



Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:MSBO2021 Semester:S1


Subject Planner Report Of BOT01CT02 Mycology and Lichenology, Microbiology and Plant Pathology

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Introduction plant pathology	Introduction plant pathology	11-01-2022	5	1	Lecture	PPT
2	Principles of pathology	Principles of pathology	13-01-2022	4	1	Lecture	PPT
3	Causal agents of plant disease	Causal agents of plant disease	18-01-2022	5	1	Lecture	PPT
4	Biotic agents of plant disease	Biotic agents of plant disease	20-01-2022	4	1	Lecture	PPT, Discussion
5	Non living agents of plant disease	Non living agents of plant disease	25-01-2022	5	1	Lecture	PPT
6	Kochâ€™s postulates of plant disease	Kochâ€™s postulates of plant disease	28-01-2022	4	1	Lecture	PPT
7	Symptoms of disease	Symptoms of disease	02-02-2022	5	2	Lecture	PPT, Discussion
8	Seed Pathology	Seed Pathology	04-02-2022	4	2	Lecture	PPT
9	Process of infection	Process of infection	09-02-2022	5	3	Lecture	PPT, Discussion
10	Process of infection	Process of infection	11-02-2022	4	3	Lecture	PPT
11	Host-parasite interactions	Host â€™ parasite interactions	16-02-2022	5	4	Lecture	PPT, Discussion
12	Defense Mechanism in Plants	Defense Mechanism in Plants	18-02-2022	4	4	Lecture	PPT
13	Different ways of spread and transmission of disease	Different ways of spread and transmission of disease	23-02-2022	5	5	Lecture	PPT, Discussion
14	Wind, water and seed born Diseases	Wind, water and seed born Diseases	25-02-2022	4	5	Lecture	PPT
15	Plant Disease Management	Plant Disease Management	03-03-2022	5	6	Lecture	PPT
16	Pesticides and fungicides	Pesticides and fungicides	07-03-2022	5	6	Lecture	PPT
17	Disease - Banana, Paddy, coconut	Disease - Banana, Paddy, coconut	10-03-2022	5	7	Lecture	PPT, Discussion
18	Disease- Arecanut, Rubber, Groundnut, Potato	Disease- Arecanut, Rubber, Groundnut, Potato	14-03-2022	4	7	Lecture	Seminar
19	Disease- Tea, wheat, Coffee, Coconut,	Disease- Tea, wheat, Coffee, Coconut,	17-03-2022	5	7	Lecture	Seminar
20	Disease- Pepper, Ginger and Turmeric	Disease- Pepper, Ginger and Turmeric	21-03-2022	4	7	Lecture	Seminar
21	Practical	Practical	24-03-2022	5	7	Lecture	Seminar
22	Angiosperm parasites	Angiosperm parasites	28-03-2022	4	7	Lecture	PPT, Discussion
23	Previous year Question Paper discussion	Previous year Question Paper discussion	31-03-2022	5	7	Lecture	Discussion

Dr Sinjumol Thomas

Staffname & Signature:




Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:MSBO2020 Semester:S4

Subject Planner Report Of BOT04ET02 Pathology of Plantation Crops and Spices.

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Introduction to pathology	Introduction to pathology	04-01-2022	1	1	Lecture	PPT, Discussion
2	Disease	Disease	06-01-2022	1	1	Lecture	PPT, Discussion
3	Major crop plants	Major crop plants	10-01-2022	2	1	Lecture	PPT
4	Principles of plant pathology	Principles of plant pathology	11-01-2022	1	1	Lecture	PPT
5	Major pathogens	Major pathogens	13-01-2022	1	2	Lecture	PPT
6	Major pests	Major pests	17-01-2022	2	2	Lecture	PPT
7	Fugicides	Fugicides	18-01-2022	1	2	Lecture	PPT
8	Fugicides- contact	Fugicides- contact	20-01-2022	1	3	Lecture	PPT, Discussion
9	semi systemic and systemic	semi systemic and systemic	24-01-2022	2	3	Lecture	PPT, Discussion
10	antibiotics- chemistry, mode of application	antibiotics- chemistry, mode of application	25-01-2022	1	4	Lecture	PPT
11	Mode of action	Mode of action	28-01-2022	1	4	Lecture	PPT
12	Bactericides	Bactericides	01-02-2022	2	4	Lecture	PPT
13	Bactericides	Bactericides	02-02-2022	1	4	Lecture	PPT
14	Bactericides- chemistry	Bactericides- chemistry	04-02-2022	1	4	Lecture	PPT
15	mode of application	mode of application	08-02-2022	2	5	Lecture	PPT
16	mode of action	mode of action	09-02-2022	1	5	Lecture	PPT
17	Pesticides	Pesticides	11-02-2022	1	5	Lecture	PPT
18	Pesticides- chemistry	Pesticides- chemistry	15-02-2022	2	6	Lecture	PPT
19	Pesticides- mode of application	Pesticides- mode of application	16-02-2022	1	6	Lecture	PPT
20	Practical	Practical	18-02-2022	1	1	Lecture	Practical
21	Practical	Practical	22-02-2022	2	1	Lecture	Practical
22	Practical	Practical	23-02-2022	1	1	Lecture	Practical
23	Practical	Practical	25-02-2022	1	2	Lecture	Practical
24	Practical	Practical	02-03-2022	2	2	Lecture	Practical
25	Practical	Practical	03-03-2022	1	2	Lecture	Practical
26	Practical	Practical	07-03-2022	1	3	Lecture	Practical
27	Practical	Practical	09-03-2022	2	3	Lecture	Practical
28	Practical	Practical	10-03-2022	1	3	Lecture	Practical
29	Practical	Practical	14-03-2022	1	3	Lecture	Practical
30	Practical	Practical	16-03-2022	2	4	Lecture	Practical
31	Practical	Practical	17-03-2022	1	1	Lecture	Practical
32	Practical	Practical	21-03-2022	1	1	Lecture	Practical
33	Practical	Practical	23-03-2022	2	1	Lecture	Practical
34	Practical	Practical	24-03-2022	1	1	Lecture	Practical
35	Practical	Practical	28-03-2022	1	5	Lecture	Practical
36	Practical	Practical	30-03-2022	2	5	Lecture	Practical
37	Practical	Practical	31-03-2022	1	5	Lecture	Practical

Dr. Sinjumol T

Staffname & Signature:




 Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

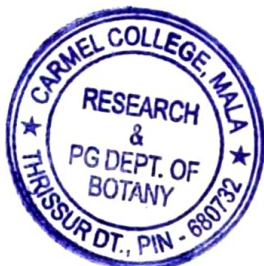
Department:BOTANY Batch:BSBO2020 Semester:S4

Subject Planner Report Of BOT4B04T Methodology and Perspectives inPlant Science

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Introduction	Introduction	08-12-2021	4	1	Lecture	PDF
2	scientific methods	scientific methods	08-12-2021	5	1	Lecture	PDF, Discussion
3	Steps in scientific methods	Steps in scientific methods	15-12-2021	4	1	Lecture	PDF
4	Structure of Research report	Structure of Research report	15-12-2021	5	1	Lecture	PDF
5	Style of citation	Style of citation	22-12-2021	4	1	Lecture	PDF Discussion
6	Biological journals	Biological journals	22-12-2021	5	1	Lecture	PDF
7	Impact Factor	Impact Factor	05-01-2022	4	1	Lecture	PDF Discussion
8	Sources of reference	Sources of reference	05-01-2022	5	1	Lecture	PDF
9	Google Scholar	Google Scholar	12-01-2022	4	1	Lecture	PDF Discussion
10	Sodh Ganga	Sodh Ganga	12-01-2022	5	1	Lecture	PDF Discussion
11	NCBI	NCBI	19-01-2022	4	1	Lecture	PDF
12	Inflibnet	Inflibnet	19-01-2022	5	1	Lecture	PDF Discussion
13	Introduction to Biostatistics	Introduction to Biostatistics	27-01-2022	4	2	Lecture	PDF
14	Importance and limitations of Biostatistics	Importance and limitations of Biostatistics	27-01-2022	5	2	Lecture	PDF
15	Observations: direct and indirect observations	Observations: direct and indirect observations	03-02-2022	4	2	Lecture	PDF Discussion
16	controlled and uncontrolled observations, human and machine observations	controlled and uncontrolled observations, human and machine observations	03-02-2022	5	2	Lecture	PDF
17	Data collection	Data collection	10-02-2022	4	2	Lecture	PDF
18	Introduction; Sampling	Introduction; Sampling	10-02-2022	5	2	Lecture	PDF
19	random and non-random	random and non-random	17-02-2022	4	2	Lecture	PDF
20	Representation of data	Representation of data	17-02-2022	5	2	Lecture	PDF Discussion
21	Tables, Bar diagram, Pie diagram, Histogram	Tables, Bar diagram, Pie diagram, Histogram	24-02-2022	4	2	Lecture	PDF Discussion
22	Frequency polygon, Ogive, Frequency curve	Frequency polygon, Ogive, Frequency curve	24-02-2022	5	2	Lecture	PDF
23	Interpretation and deduction of data	Interpretation and deduction of data	04-03-2022	4	2	Lecture	PDF Discussion
24	significance of statistical tools in data	significance of statistical tools in data	04-03-2022	5	2	Lecture	PDF
25	Interpretation	Interpretation	04-03-2022	5	2	Lecture	PDF Discussion
26	Measures of central tendency	Measures of central tendency	11-03-2022	4	2	Lecture	PDF
27	mean, median and mode	mean, median and mode	11-03-2022	5	2	Lecture	PDF
28	Measures of dispersion	Measures of dispersion	18-03-2022	4	2	Lecture	PDF
29	Range, Mean Deviation, Variance, Standard Deviation	Range, Mean Deviation, Variance, Standard Deviation	18-03-2022	5	2	Lecture	PDF
30	Correlation and regression	Correlation and regression	25-03-2022	4	2	Lecture	PDF
30	Test of hypothesis: Null hypothesis,	Test of hypothesis: Null hypothesis,	25-03-2022	5	2	Lecture	PDF Discussion

Dr Sinjumol Thomas

Staffname & Signature:



Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA

Thrissur

Department:BOTANY Batch:BSBO2019 Semester:S6

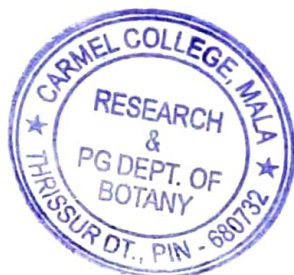
Subject Planner Report Of BOT6B12T Plant Physiology & Metabolism

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Introduction to Photosynthesis	Introduction to Photosynthesis	04-01-2022	3	3	Lecture	PPT
2	Electromagnetic radiation.	Electromagnetic radiation.	05-01-2022	3	3	Lecture	PPT
3	Fluorescence and phosphorescence	Fluorescence and phosphorescence	06-01-2022	2	3	Lecture	PPT , Discussion
4	light harvesting antenna pigments	light harvesting antenna pigments	11-01-2022	3	3	Lecture	PPT
5	Photochemical and chemical phases	Photochemical and chemical phases	12-01-2022	3	3	Lecture	PPT
6	Red drop and Emerson enhancement effect	Red drop and Emerson enhancement effect	13-01-2022	2	3	Lecture	PPT
7	Two pigment systems	Two pigment systems	18-01-2022	3	3	Lecture	PPT , Discussion
8	Photosynthetic electron transport	Photosynthetic electron transport	19-01-2022	3	3	Lecture	PPT
9	photophosphorylation	photophosphorylation	20-01-2022	2	3	Lecture	PPT
10	light reaction	light reaction	25-01-2022	3	3	Lecture	PPT , Discussion
11	Photosynthetic carbon reduction cycle	Photosynthetic carbon reduction cycle	27-01-2022	3	3	Lecture	PPT
12	C3 Cycle	C3 Cycle	28-01-2022	2	3	Lecture	PPT
13	C4 Cycle	C4 Cycle	02-02-2022	3	3	Lecture	PPT
14	CAM pathways	CAM pathways	03-02-2022	3	3	Lecture	PPT
15	C2 Cycle	C2 Cycle	04-02-2022	2	3	Lecture	PPT
16	Law of limiting factors	Law of limiting factors	09-02-2022	3	3	Lecture	PPT , Discussion
17	Biological nitrogen fixation	Biological nitrogen fixation	10-02-2022	3	4	Lecture	PPT
18	Symbiotic Nitrogen Fixation	Symbiotic Nitrogen Fixation	11-02-2022	2	3	Lecture	PPT
19	Bio synthesis of amino acids	Bio synthesis of amino acids	16-02-2022	3	4	Lecture	PPT
20	Translocation of Photo Assimilates	Translocation of Photo Assimilates	17-02-2022	3	5	Lecture	PPT
21	Mechanism of Phloem transport	Mechanism of Phloem transport	18-02-2022	2	5	Lecture	PPT
22	Plant growth and development	Plant growth and development	23-02-2022	3	6	Lecture	PPT , Discussion
23	Plant movements	Plant movements	24-02-2022	3	6	Lecture	PPT , Discussion
24	Nyctinastic and seismonastic movements	Nyctinastic and seismonastic movements	25-02-2022	2	6	Lecture	PPT , Discussion
25	Photomorphogenesis	Photomorphogenesis	03-03-2022	3	7	Lecture	PPT , Discussion
26	Seed dormancy and Germination	Seed dormancy and Germination	04-03-2022	3	7	Lecture	PPT , Discussion
27	Practical -Thistle funnel osmoscope, Ganong's Potometer	Practical -Thistle funnel osmoscope, Ganong's Potometer	07-03-2022	2	1	Lecture	Practical
28	Practical -Ganong's light-screen	Ganong's Potometer	10-03-2022	3	3	Lecture	Practical
29	Practical -Ganong's respirometer	Practical - Ganong's light-screen	11-03-2022	3	3	Lecture	Practical
30	Practical -Kuhne's fermentation vessel	Practical - Ganong's	14-03-2022	2	3	Lecture	Practical
31	Practical -Mohl's half-leaf experiment	Practical -Kuhne's fermentation vessel	17-03-2022	3	3	Lecture	Practical
32	Practical -Experiment to demonstrate suction due to transpiration	Practical -Mohl's half-leaf experiment	18-03-2022	3	3	Lecture	Practical
33	Practical - Demonstration of gravitropism using Klinostat	Practical -Experiment to demonstrate suction due to transpiration	21-03-2022	2	3	Lecture	Practical
34	Practical -paper chromatography	Practical - Demonstration of gravitropism using Klinostat	24-03-2022	3	7	Lecture	Practical
35	Previous year Question Paper discussion	Practical -paper chromatography	25-03-2022	3	7	Lecture	Discussion
36	Previous year Question Paper discussion	Previous year Question Paper discussion	28-03-2022	2	7	Lecture	Discussion
37	Previous year Question Paper discussion	Previous year Question Paper discussion	31-03-2022	3	7	Lecture	Discussion

Dr. Sinjumol Thomas

Staffname & Signature:

Date & Time:05-03-2022 11:01 am



Handwritten signature/initials: h... AB 8/3/22

Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



CARMEL COLLEGE, MALA

Affiliated to the University of Calicut Thrissur

DEPT: BOTANY

Batch&Subbatch : BSBO2020 & All

SUBJECT PLAN REPORT BETWEEN 01-07-2021 - 17-12-2021

Subject Handled by : Dr. Sinjumol Thomas


Subject Name & Code : Phycology, Bryology & Pteridology/CBCSS UG 2019

SI No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
1	Introduction -Bryology	19-07-2021	1	5	Introduction -Bryology	19-07-2021	Partially Covered	5
2	Introduction -Bryology	23-07-2021	1	4	Introduction -Bryology	23-07-2021	Fully Covered	4
3	Bryology- classification	23-07-2021	1	5	Bryology- classification	23-07-2021	Fully Covered	5
4	Study the distribution,	27-07-2021	2	5	Study the distribution,	27-07-2021	Fully Covered	5
5	morphology,	30-07-2021	2	4	morphology,	30-07-2021	Fully Covered	4
6	anatomy	30-07-2021	2	5	anatomy	30-07-2021	Fully Covered	5
7	reproduction	03-08-2021	2	5	reproduction	03-08-2021	Fully Covered	5
8	reproduction	06-08-2021	2	4	reproduction	06-08-2021	Fully Covered	4
9	life cycle and affinities	06-08-2021	2	5	life cycle and affinities	06-08-2021	Fully Covered	5
10	Anthoceros	10-08-2021	2	5	Anthoceros	10-08-2021	Fully Covered	5
11	Anthoceros	13-08-2021	2	4	Anthoceros	13-08-2021	Partially Covered	4
12	Anthoceros	13-08-2021	2	5	Anthoceros	13-08-2021	Partially Covered	5
13	Anthoceros	17-08-2021	2	5	Anthoceros	17-08-2021	Fully Covered	5
14	Anthoceros	02-09-2021	2	4	Anthoceros	02-09-2021	Fully Covered	4
15	Anthoceros	02-09-2021	2	5	Anthoceros	02-09-2021	Fully Covered	5

SI No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
16	Anthoceros	06-09-2021	2	5	Anthoceros	06-09-2021	Fully Covered	5
17	Anthoceros	09-09-2021	2	4	Anthoceros	09-09-2021	Fully Covered	4
18	Funaria	09-09-2021	2	5	Funaria	09-09-2021	Fully Covered	5
19	Funaria	13-09-2021	2	5	Funaria	13-09-2021	Fully Covered	5
20	Funaria	16-09-2021	2	4	Funaria	16-09-2021	Fully Covered	4
21	Funaria	16-09-2021	2	5	Funaria	16-09-2021	Fully Covered	5
22	Funaria	20-09-2021	2	5	Funaria	20-09-2021	Fully Covered	5
23	Funaria	24-09-2021	2	4	Funaria	24-09-2021	Fully Covered	4
24	Funaria	24-09-2021	2	5	Funaria	24-09-2021	Fully Covered	5
25	Funaria	28-09-2021	2	5	Funaria	28-09-2021	Fully Covered	5
26	Funaria	01-10-2021	2	4	Funaria	01-10-2021	Fully Covered	4
27	Economic importance of Bryophytes	01-10-2021	3	5	Economic importance of Bryophytes	01-10-2021	Fully Covered	5
28	Economic importance of Bryophytes	05-10-2021	3	5	Economic importance of Bryophytes	05-10-2021	Fully Covered	5
29	Economic importance of Bryophytes	08-10-2021	3	4	Economic importance of Bryophytes	08-10-2021	Fully Covered	4
30	Fossil Bryophytes	08-10-2021	3	5	Fossil Bryophytes	08-10-2021	Fully Covered	5
31	Fossil Bryophytes	12-10-2021	3	5	Fossil Bryophytes	12-10-2021	Fully Covered	5
32	Riccia –Anatomy of thallus	21-10-2021	1	4	Riccia –Anatomy of thallus	21-10-2021	Fully Covered	4
33	Riccia	21-10-2021	1	5	Riccia	21-10-2021	Fully Covered	5
34	Anthoceros	26-10-2021	1	4	Anthoceros	26-10-2021	Fully Covered	4

Sl No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
35	Anthoceros	26-10-2021	1	5	Anthoceros	26-10-2021	Fully Covered	5
36	Anthoceros	28-10-2021	1	5	Anthoceros	28-10-2021	Fully Covered	5
37	Funaria	02-11-2021	1	4	Funaria	02-11-2021	Fully Covered	4
38	Funaria	02-11-2021	1	5	Funaria	02-11-2021	Fully Covered	5
39	Funaria	05-11-2021	1	5	Funaria	05-11-2021	Fully Covered	5
40	PTERIDOLOGY	10-11-2021	1	4	PTERIDOLOGY	10-11-2021	Fully Covered	4
41	PTERIDOLOGY	10-11-2021	1	5	PTERIDOLOGY	10-11-2021	Fully Covered	5
42	PTERIDOLOGY	12-11-2021	1	5	PTERIDOLOGY	12-11-2021	Fully Covered	5
43	PTERIDOLOGY	17-11-2021	1	4	PTERIDOLOGY	17-11-2021	Fully Covered	4
44	PTERIDOLOGY	17-11-2021	1	5	PTERIDOLOGY	17-11-2021	Fully Covered	5
45	PTERIDOLOGY	19-11-2021	1	5	PTERIDOLOGY	19-11-2021	Fully Covered	5
46	PTERIDOLOGY	24-11-2021	1	4	PTERIDOLOGY	24-11-2021	Fully Covered	4
47	PTERIDOLOGY	24-11-2021	1	5	PTERIDOLOGY	24-11-2021	Fully Covered	5
48	PTERIDOLOGY	26-11-2021	1	5	PTERIDOLOGY	26-11-2021	Fully Covered	5
49	PTERIDOLOGY	11-12-2021	1	4	PTERIDOLOGY	11-12-2021	Fully Covered	4




 Head
 Department of Botany
 Carmel College, Mala
 Thirissur, Kerala - 680732



CARMEL COLLEGE, MALA

Affiliated to the University of Calicut Thrissur

DEPT: BOTANY

Batch&Subbatch : BSBO2019 & All

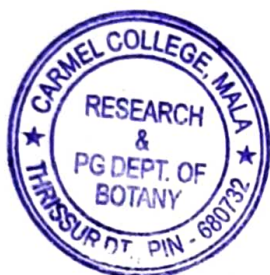
SUBJECT PLAN REPORT BETWEEN 01-06-2021 - 11-12-2021


Subject Handled by : Dr. Sinjumol Thomas

Subject Name & Code : Tissue culture, Horticulture, Economic Botany & Ethnobotany/CBCSS UG 2019

Sl No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
1	Introduction to Cell Biology	26-07-2021	1	4	Introduction to Cell Biology	26-07-2021	Not Covered	4
2	Architecture of cells	02-08-2021	1	4	Architecture of cells	02-08-2021	Not Covered	4
3	Prokaryotic cell	09-08-2021	1	4	Prokaryotic cell	09-08-2021	Not Covered	4
4	Eukaryotic cells	16-08-2021	1	4	Eukaryotic cells	16-08-2021	Not Covered	4
5	Structure and function of cell	03-09-2021	1	4	Structure and function of cell	03-09-2021	Not Covered	4
6	Cell membrane (fluid mosaic model)	10-09-2021	1	4	Cell membrane (fluid mosaic model)	10-09-2021	Not Covered	4
7	Endoplasmic reticulum	17-09-2021	1	4	Endoplasmic reticulum	17-09-2021	Not Covered	4
8	Golgi complex, chloroplast mitochondria	27-09-2021	1	4	Golgi complex, chloroplast mitochondria	27-09-2021	Not Covered	4
9	Nucleus - Nuclear membrane; Nuclear pore complex	04-10-2021	1	4	Nucleus - Nuclear membrane; Nuclear pore complex	04-10-2021	Not Covered	4
10	organization of interphase Nucleus	11-10-2021	1	4	organization of interphase Nucleus	11-10-2021	Not Covered	4
11	Euchromatin and heterochromatin	22-10-2021	1	4	Euchromatin and heterochromatin	22-10-2021	Not Covered	4
12	Nucleolus.	27-10-2021	1	4	Nucleolus.	27-10-2021	Not Covered	4
13	Chromosomes - Morphology, classification	03-11-2021	1	4	Chromosomes - Morphology, classification	03-11-2021	Not Covered	4
14	Centromere and Telomere, Chemical Composition and organization.	11-11-2021	1	4	Centromere and Telomere, Chemical Composition and organization.	11-11-2021	Not Covered	4

SI No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
15	Special types of chromosomes	18-11-2021	1	4	Special types of chromosomes	18-11-2021	Not Covered	4
16	Cell division - cell cycle - Mitosis & Meiosis	25-11-2021	1	4	Cell division - cell cycle - Mitosis & Meiosis	25-11-2021	Not Covered	4
17	significance- molecular control of cell division	11-12-2021	1	4	significance- molecular control of cell division	11-12-2021	Not Covered	4




 Head
 Department of Botany
 Carmel College, Mala
 Thirissur, Kerala - 680732



CARMEL COLLEGE, MALA

Affiliated to the University of Calicut Thrissur

DEPT: BOTANY

Batch&Subbatch : BSBO2020 & All

SUBJECT PLAN REPORT BETWEEN 01-06-2021 - 12-12-2021

Subject Handled by : Dr. Sinjumol Thomas

Subject Name & Code : Phycology, Bryology & Pteridology/CBCSS UG 2019

Sl No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
1	Introduction -Bryology	19-07-2021	1	5	Introduction -Bryology	19-07-2021	Fully Covered	5
2	Introduction -Bryology	23-07-2021	1	4	Introduction -Bryology	23-07-2021	Fully Covered	4
3	Bryology- classification	23-07-2021	1	5	Bryology- classification	23-07-2021	Fully Covered	5
4	Study the distribution,	27-07-2021	2	5	Study the distribution,	27-07-2021	Fully Covered	5
5	morphology,	30-07-2021	2	4	morphology,	30-07-2021	Fully Covered	4
6	anatomy	30-07-2021	2	5	anatomy	30-07-2021	Fully Covered	5
7	reproduction	03-08-2021	2	5	reproduction	03-08-2021	Fully Covered	5
8	reproduction	06-08-2021	2	4	reproduction	06-08-2021	Fully Covered	4
9	life cycle and affinities	06-08-2021	2	5	life cycle and affinities	06-08-2021	Fully Covered	5
10	Anthoceros	10-08-2021	2	5	Anthoceros	10-08-2021	Fully Covered	5
11	Anthoceros	13-08-2021	2	4	Anthoceros	13-08-2021	Fully Covered	4
12	Anthoceros	13-08-2021	2	5	Anthoceros	13-08-2021	Fully Covered	5
13	Anthoceros	17-08-2021	2	5	Anthoceros	17-08-2021	Fully Covered	5
14	Anthoceros	02-09-2021	2	4	Anthoceros	02-09-2021	Fully Covered	4
15	Anthoceros	02-09-2021	2	5	Anthoceros	02-09-2021	Fully Covered	5

2/12/21, 3:15 PM

Sl No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
16	Anthoceros	06-09-2021	2	5	Anthoceros	06-09-2021	Fully Covered	5
17	Anthoceros	09-09-2021	2	4	Anthoceros	09-09-2021	Fully Covered	4
18	Funaria	09-09-2021	2	5	Funaria	09-09-2021	Fully Covered	5
19	Funaria	13-09-2021	2	5	Funaria	13-09-2021	Fully Covered	5
20	Funaria	16-09-2021	2	4	Funaria	16-09-2021	Fully Covered	4
21	Funaria	16-09-2021	2	5	Funaria	16-09-2021	Fully Covered	5
22	Funaria	20-09-2021	2	5	Funaria	20-09-2021	Fully Covered	5
23	Funaria	24-09-2021	2	4	Funaria	24-09-2021	Fully Covered	4
24	Funaria	24-09-2021	2	5	Funaria	24-09-2021	Fully Covered	5
25	Funaria	28-09-2021	2	5	Funaria	28-09-2021	Fully Covered	5
26	Funaria	01-10-2021	2	4	Funaria	01-10-2021	Fully Covered	4
27	Economic importance of Bryophytes	01-10-2021	3	5	Economic importance of Bryophytes	01-10-2021	Fully Covered	5
28	Economic importance of Bryophytes	05-10-2021	3	5	Economic importance of Bryophytes	05-10-2021	Fully Covered	5
29	Economic importance of Bryophytes	08-10-2021	3	4	Economic importance of Bryophytes	08-10-2021	Fully Covered	4
30	Fossil Bryophytes	08-10-2021	3	5	Fossil Bryophytes	08-10-2021	Fully Covered	5
31	Fossil Bryophytes	12-10-2021	3	5	Fossil Bryophytes	12-10-2021	Fully Covered	5
32	Riccia –Anatomy of thallus	21-10-2021	1	4	Riccia –Anatomy of thallus	21-10-2021	Fully Covered	4
33	Riccia	21-10-2021	1	5	Riccia	21-10-2021	Fully Covered	5
34	Anthoceros	26-10-2021	1	4	Anthoceros	26-10-2021	Fully Covered	4

Sl No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
35	Anthoceros	26-10-2021	1	5	Anthoceros	26-10-2021	Fully Covered	5
36	Anthoceros	28-10-2021	1	5	Anthoceros	28-10-2021	Fully Covered	5
37	Funaria	02-11-2021	1	4	Funaria	02-11-2021	Fully Covered	4
38	Funaria	02-11-2021	1	5	Funaria	02-11-2021	Fully Covered	5
39	Funaria	05-11-2021	1	5	Funaria	05-11-2021	Fully Covered	5
40	PTERIDOLOGY	10-11-2021	1	4	PTERIDOLOGY	10-11-2021	Fully Covered	4
41	PTERIDOLOGY	10-11-2021	1	5	PTERIDOLOGY	10-11-2021	Fully Covered	5
42	PTERIDOLOGY	12-11-2021	1	5	PTERIDOLOGY	12-11-2021	Fully Covered	5
43	PTERIDOLOGY	17-11-2021	1	4	PTERIDOLOGY	17-11-2021	Fully Covered	4
44	PTERIDOLOGY	17-11-2021	1	5	PTERIDOLOGY	17-11-2021	Fully Covered	5
45	PTERIDOLOGY	19-11-2021	1	5	PTERIDOLOGY	19-11-2021	Fully Covered	5
46	PTERIDOLOGY	24-11-2021	1	4	PTERIDOLOGY	24-11-2021	Fully Covered	4
47	PTERIDOLOGY	24-11-2021	1	5	PTERIDOLOGY	24-11-2021	Fully Covered	5
48	PTERIDOLOGY	26-11-2021	1	5	PTERIDOLOGY	26-11-2021	Fully Covered	5
49	PTERIDOLOGY	11-12-2021	1	4	PTERIDOLOGY	11-12-2021	Fully Covered	4



Head
Department of Botany
Carmel College, Mala
Thiruvananthapuram, Kerala - 680732



CARMEL COLLEGE, MALA

Affiliated to the University of Calicut Thrissur

DEPT: BOTANY

Batch&Subbatch : MSBO2020 & All

SUBJECT PLAN REPORT BETWEEN 01-06-2021 - 11-12-2021

Subject Handled by : Dr. Sinjumol Thomas

Subject Name & Code : Angiosperm Morphology and Taxonomy and Plant Resources/CBCSS PG 2019

SI No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
1	Taxonomy	13-07-2021	1	1	Taxonomy	13-07-2021	Fully Covered	1
2	Principles of taxonomy	13-07-2021	1	2	Principles of taxonomy	13-07-2021	Fully Covered	2
3	Principles of taxonomy	16-07-2021	1	1	Principles of taxonomy	16-07-2021	Fully Covered	1
4	Classifications	20-07-2021	1	1	Classifications	20-07-2021	Fully Covered	1
5	Principles of taxonomy	20-07-2021	1	2	Principles of taxonomy	20-07-2021	Fully Covered	2
6	Principles of taxonomy	21-07-2021	1	1	Principles of taxonomy	21-07-2021	Fully Covered	1
7	Principles of taxonomy	21-07-2021	1	2	Principles of taxonomy	21-07-2021	Fully Covered	2
8	Conceptual basis of classification	26-07-2021	1	1	Conceptual basis of classification	26-07-2021	Fully Covered	1
9	Phenetics and cladistics	28-07-2021	2	1	Phenetics and cladistics	28-07-2021	Fully Covered	1
10	Primitive and advanced characteristics	28-07-2021	2	2	Primitive and advanced characteristics	28-07-2021	Fully Covered	2
11	Monophyly and polyphyly	02-08-2021	2	1	Monophyly and polyphyly	02-08-2021	Fully Covered	1
12	Taxonomic hierarchy	04-08-2021	2	1	Taxonomic hierarchy	04-08-2021	Fully Covered	1
13	Plant nomenclature	04-08-2021	4	2	Plant nomenclature	04-08-2021	Fully Covered	2
14	Plant nomenclature	09-08-2021	4	1	Plant nomenclature	09-08-2021	Fully Covered	1

Sl No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
15	History of Plant nomenclature	10-08-2021	2	4	History of Plant nomenclature	10-08-2021	Fully Covered	4
16	ICBN	11-08-2021	4	1	ICBN	11-08-2021	Fully Covered	1
17	Effective publication	11-08-2021	4	2	Effective publication	11-08-2021	Fully Covered	2
18	Effective publication	16-08-2021	4	1	Effective publication	16-08-2021	Fully Covered	1
19	Valid Publication	17-08-2021	4	4	Valid Publication	17-08-2021	Fully Covered	4
20	Rule of priority	18-08-2021	4	1	Rule of priority	18-08-2021	Fully Covered	1
21	Nomenclature of cultivated plants	18-08-2021	4	2	Nomenclature of cultivated plants	18-08-2021	Fully Covered	2
22	Nomenclature of cultivated plants	31-08-2021	4	1	Nomenclature of cultivated plants	31-08-2021	Fully Covered	1
23	Concepts of character	31-08-2021	3	2	Concepts of character	31-08-2021	Fully Covered	2
24	Classification of characters	03-09-2021	3	1	Classification of characters	03-09-2021	Fully Covered	1
25	Classification of characters	06-09-2021	3	4	Classification of characters	06-09-2021	Fully Covered	4
26	Modern trends in taxonomy	07-09-2021	6	1	Modern trends in taxonomy	07-09-2021	Fully Covered	1
27	Chemotaxonomy	07-09-2021	6	2	Chemotaxonomy	07-09-2021	Fully Covered	2
28	Cytotaxonomy	10-09-2021	6	1	Cytotaxonomy	10-09-2021	Fully Covered	1
29	Molecular taxonomy	13-09-2021	6	4	Molecular taxonomy	13-09-2021	Fully Covered	4
30	History and development of taxonomy in India	14-09-2021	3	1	History and development of taxonomy in India	14-09-2021	Fully Covered	1
31	Taxonomic literature	14-09-2021	5	2	Taxonomic literature	14-09-2021	Fully Covered	2
32	Taxonomic literature	17-09-2021	5	1	Taxonomic literature	17-09-2021	Fully Covered	1
33	Taxonomic literature	20-09-2021	5	4	Taxonomic literature	20-09-2021	Fully Covered	4

Sl No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
34	Taxonomic literature	22-09-2021	5	1	Taxonomic literature	22-09-2021	Fully Covered	1
35	DNA Barcoding	22-09-2021	6	2	DNA Barcoding	22-09-2021	Fully Covered	2
36	Phylogenetic analysis	27-09-2021	6	1	Phylogenetic analysis	27-09-2021	Fully Covered	1
37	Practical	28-09-2021	6	4	Practical	28-09-2021	Fully Covered	4
38	Practical	29-09-2021	6	1	Practical	29-09-2021	Fully Covered	1
39	Practical	29-09-2021	6	2	Practical	29-09-2021	Fully Covered	2
40	Practical	04-10-2021	6	1	Practical	04-10-2021	Fully Covered	1
41	Practical	05-10-2021	6	4	Practical	05-10-2021	Fully Covered	4
42	Practical	06-10-2021	6	1	Practical	06-10-2021	Fully Covered	1
43	Practical	06-10-2021	6	2	Practical	06-10-2021	Fully Covered	2
44	Practical	11-10-2021	6	1	Practical	11-10-2021	Fully Covered	1
45	Practical	12-10-2021	6	4	Practical	12-10-2021	Fully Covered	4
46	Practical	13-10-2021	6	1	Practical	13-10-2021	Fully Covered	1
47	Practical	13-10-2021	6	2	Practical	13-10-2021	Fully Covered	2
48	Practical	27-10-2021	6	1	Practical	27-10-2021	Fully Covered	1
49	Practical	28-10-2021	6	4	Practical	28-10-2021	Fully Covered	4
50	Practical	11-12-2021	4	3	Practical	11-12-2021	Fully Covered	3
51	Practical	11-12-2021	4	5	Practical	11-12-2021	Fully Covered	5



Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

Department: BOTANY Batch: BSBO2019 Semester: 56

Subject Planner Report Of BOT6B10T Genetics & Plant Breeding

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Introduction- Mendel's life history	Introduction- Mendel's life history	04-01-2022	4	1	Lecture	PPT
2	Mendelian experiments:	Mendelian experiments:	06-01-2022	5	1	Lecture	PPT
3	Monohybrid cross and dihybrid cross	Monohybrid cross and dihybrid cross	07-01-2022	5	1	Lecture	PPT
4	Mendelian ratios	Mendelian ratios	11-01-2022	4	1	Lecture	PPT
5	Laws of inheritance	Laws of inheritance	13-01-2022	5	2	Lecture	PPT
6	Back cross, test cross.	Back cross, test cross.	14-01-2022	5	3	Lecture	PPT
7	Allelic interactions: dominant & recessive, Incomplete dominance & flower color in	Allelic interactions: dominant & recessive, Incomplete dominance & flower color in	18-01-2022	4	3	Lecture	PPT
8	Mirabilismarkers	Mirabilis	20-01-2022	5	4	Lecture	PPT
9	Co dominance & Coat colour in cattle	Co dominance & Coat colour in cattle	21-01-2022	5	4	Lecture	PPT
10	Blood group in human beings	Blood group in human beings	25-01-2022	4	4	Lecture	PPT
11	Lethal genes & Sickle cell anemia in Human beings	Lethal genes & Sickle cell anemia in Human beings	28-01-2022	5	5	Lecture	PPT
12	Modified dihybrid ratios by Incomplete dominance of one pair of gene (3:6:3:1:2:1)	Modified dihybrid ratios by Incomplete dominance of one pair of gene (3:6:3:1:2:1)	31-01-2022	5	5	Lecture	PPT
13	(1:2:1:2:4:2:1:2:1).	(1:2:1:2:4:2:1:2:1).	02-02-2022	4	5	Lecture	PPT
14	Interaction of genes: Non epistatic - Comb pattern inheritance in poultry (9:3:3:1)	Interaction of genes: Non epistatic - Comb pattern inheritance in poultry (9:3:3:1)	04-02-2022	5	5	Lecture	PPT
15	VEpistasis: dominant - Fruit colour in summer squashes	Epistasis: dominant - Fruit colour in summer squashes	07-02-2022	5	5	Lecture	PPT
16	Recessive epistasis - Coat color in mice	Recessive epistasis - Coat color in mice	09-02-2022	4	5	Lecture	PPT
17	Complementary gene interaction- flower color in Lathyrus	Complementary gene interaction- flower color in Lathyrus	11-02-2022	5	5	Lecture	PPT
18	Multiple alleles- general account: ABO blood group in man	Multiple alleles- general account: ABO blood group in man	14-02-2022	5	5	Lecture	PPT
19	Self sterility in Nicotiana, 59 Coat colour in Rabbits.	Self sterility in Nicotiana, 59 Coat colour in Rabbits.	16-02-2022	4	6	Lecture	PPT
20	Skin color in human beings, Ear size in maize.	Skin color in human beings, Ear size in maize.	18-02-2022	5	6	Lecture	PPT
21	. Linkage and crossing over- importance of linkage, linkage and independent assortment	. Linkage and crossing over- importance of linkage, linkage and independent assortment	21-02-2022	5	7	Lecture	PPT
22	Complete and incomplete linkage	Complete and incomplete linkage	23-02-2022	4	7	Lecture	PPT
23	Crossing over general account, 2 point and 3	Crossing over general account, 2 point and 3	25-02-2022	5	7	Lecture	PPT
24	& point crossing over,	& point crossing over,	28-02-2022	5	8	Lecture	PPT
25	cytological evidence of genetic crossing over	cytological evidence of genetic crossing over	03-03-2022	4	8	Lecture	PPT
26	Determination of gene sequences; interference and coincidence; mapping of chromosomes	Determination of gene sequences; interference and coincidence; mapping of chromosomes	07-03-2022	5	8	Lecture	PPT
27	Extra nuclear inheritance- general account maternal influence- plastid inheritance in Mirabilis,	Extra nuclear inheritance- general account maternal influence- plastid inheritance in Mirabilis,	08-03-2022	5	8	Lecture	PPT
28	Mirabilis, Shell coiling in snails. (3 hrs) 3.	Mirabilis, Shell coiling in snails. (3 hrs) 3.	10-03-2022	4	9	Lecture	PPT
29	Population genetics; Hardy & Weinberg law and equation	Population genetics; Hardy & Weinberg law and equation	14-03-2022	5	9	Lecture	PPT
30	factors affecting Hardy & Weinberg law	factors affecting Hardy & Weinberg law	15-03-2022	5	9	Lecture	PPT
31	Problem on monohybrid ratio	Problem on monohybrid ratio	17-03-2022	4	9	Lecture	PPT
32	Problems on Dihybrid ratio	Problems on Dihybrid ratio	21-03-2022	5	9	Lecture	PPT
33	Gene mapping	Gene mapping	22-03-2022	5	9	Lecture	PPT
34	Gene interactions- problems	Gene interactions- problems	24-03-2022	4	10	Lecture	PPT
35	Gene interactions- problems	Gene interactions- problems	28-03-2022	5	10	Lecture	PPT
36	Gene interactions- problems	Gene interactions- problems	29-03-2022	5	10	Lecture	PPT
37	Gene interactions- problems	Gene interactions- problems	31-03-2022	4	10	Lecture	PPT

D.R. Bandhu K.B

Staffname & Signature:

Date & Time: 05-03-2022 3:36 pm



*h.w. / 8 KB
6/3/22*

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:BSBO2019 Semester:56

Subject Planner Report Of BOT6B11T Biotechnology, Molecular Biology & Bioinformatics

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Introduction, concept, history of biotechnology	concept, history of biotechnology	18-02-2022	1	1	Lecture	ICT
2	Recombinant DNA Technology: Gene cloning strategies	DNA Technology: Gene cloning strategies	25-02-2022	1	2	Lecture	ICT
3	Restriction endonucleases and ligases transformation and selection of transformants	Restriction endonucleases and ligases transformation and selection of transformants	04-03-2022	2	2	Lecture	ICT
4	recombinant DNA construction	recombinant DNA construction	07-03-2022	1	2	Lecture	ICT
5	cloning vectors & plasmids pBR322,	cloning vectors & plasmids pBR322,	14-03-2022	1	2	Lecture	ICT
6	bacteriophage based vectors,	bacteriophage based vectors,	21-03-2022	1	2	Lecture	ICT
7	Ti plasmids.	Ti plasmids.	28-03-2022	1	2	Lecture	ICT

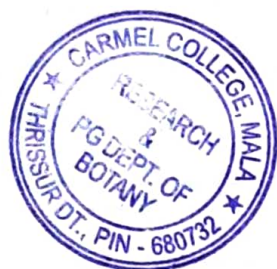
Staffname & Signature

Dr. Bindhu K B

Dr. Bindhu K B

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

Dr. Bindhu K B



CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:MSBO2020 Semester:54

Subject Planner Report Of BOT04ET01 Genetics and Crop Improvement

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Genetics of photosynthesis.	Genetic base of photosynthesis.	06-01-2022	4	8	Lecture	PPT
2	Genetics of nitrogen fixation.	Genetics of nitrogen fixation.	10-01-2022	4	9	Lecture	PPT
3	Patenting of life forms- IPR,	IPR	13-01-2022	4	10	Lecture	PPT
4	farmersâ€™ rights	farmersâ€™ rights	17-01-2022	4	10	Lecture	PPT
5	plant breedersâ€™ rights.	plant breedersâ€™ rights.	20-01-2022	4	10	Lecture	PPT
6	Production of improved seeds	Production of improved seeds	24-01-2022	4	11	Lecture	PPT
7	- seed certification	- seed certification	28-01-2022	4	11	Lecture	PPT
8	- procedure for variety release.	- procedure for variety release.	01-02-2022	4	11	Lecture	PPT
9	Farming systems	Farming systems	04-02-2022	4	12	Lecture	PPT
10	intensive farming	intensive farming	08-02-2022	4	12	Lecture	PPT
11	organic farming	organic farming	11-02-2022	4	12	Lecture	PPT
12	integrated farming	integrated farming	15-02-2022	4	12	Lecture	PPT
13	sustainable agriculture.	sustainable agriculture.	18-02-2022	4	12	Lecture	PPT
14	Genetically modified crops	Genetically modified crops	22-02-2022	4	13	Lecture	PPT
15	major achievements of GMOs	major achievements of GMO	25-02-2022	4	13	Lecture	PPT
16	merits and demerits of GMOs	merits and demerits of GMOs	02-03-2022	4	13	Lecture	PPT
17	biosafety.	biosafety.	07-03-2022	4	13	Lecture	PPT
18	seed certifying agencies	seed certifying agencies	09-03-2022	4	12	Lecture	PPT
19	Ploidy detection	Ploidy detection	14-03-2022	4	9	Practical	Demonstration
20	Revision	IPR	16-03-2022	4	10	Lecture	Test paper
21	Revision	farming	21-03-2022	4	12	Lecture	farming systems
22	Revision	Farming systems	23-03-2022	4	12	Lecture	Asking Questions
23	Revision	Genetic base of photosynthesis	28-03-2022	4	8	Lecture	Test paper
24	Revision	Genetic base of N2 fixation	30-03-2022	4	9	Lecture	Test paper

Staffname & Signature

Dr. Bindhu K.B.

[Signature]



[Signature]

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

W. A.B
8/2/22

CARMEL COLLEGE, MALA
Thrissur

Department: BOTANY Batch: MSBO2021 Semester: S1

Subject Planner Report Of BOT01CT01 Phycology, Bryology, Pteridology and Gymnosperms

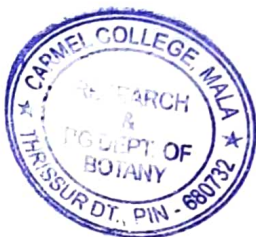
Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Classification of Algae	Classification of Algae	10-01-2022	2	1	Lecture	ICT
2	comparative Survey of Important systems - Fritsch-Smith-Round.	comparative Survey of Important systems - Fritsch-Smith-Round.	12-01-2022	2	1	Lecture	ICT
3	Criteria for algal classification-Phylogenetic considerations.	Criteria for algal classification-Phylogenetic considerations.	12-01-2022	4	1	Lecture	ICT
4	Biological Importance of Planktons.	Biological Importance of Planktons.	17-01-2022	2	2	Lecture	ICT
5	Algal cytology-Basic ideas of cell features-	Algal cytology-Basic ideas of cell features-	19-01-2022	2	3	Lecture	ICT
6	Electron microscopic studies of algal cell	Electron microscopic studies of algal cell	19-01-2022	4	3	Lecture	ICT
7	cell wall	cell wall	24-01-2022	2	3	Lecture	ICT
8	flagella, chloroplast	flagella, chloroplast	27-01-2022	2	3	Lecture	ICT
9	pyrenoid, eyespot	pyrenoid, eyespot	27-01-2022	4	3	Lecture	ICT
10	Reproduction-Different types of life cycles in algae.	Reproduction-Different types of life cycles in algae.	01-02-2022	2	4	Lecture	ICT
11	General account of energy sources and pigments in algae.	General account of energy sources and pigments in algae.	03-02-2022	2	5	Lecture	ICT
12	Economic importance of algae-Roll of algae in soil fertility	Economic importance of algae-Roll of algae in soil fertility	03-02-2022	4	4	Lecture	ICT
13	algae in industry	algae in industry	08-02-2022	2	4	Lecture	ICT
14	Biological importance of phytoplanktons and water blooms.	Biological importance of phytoplanktons and water blooms.	10-02-2022	2	4	Lecture	ICT
15	General account of thallus structure,	General account of thallus structure,	10-02-2022	4	5	Lecture	ICT
16	cell ultra-structure,	cell ultra-structure,	15-02-2022	2	5	Lecture	ICT
17	reproduction, relationships and evolutionary trends in algae	reproduction, relationships and evolutionary trends in algae	17-02-2022	2	5	Lecture	ICT
18	Chlorophyta,	Chlorophyta,	17-02-2022	4	5	Lecture	ICT
19	Xanthophyta	Xanthophyta	18-02-2022	3	5	Lecture	ICT
20	Bacillariophyta,	Bacillariophyta,	22-02-2022	2	5	Lecture	ICT
21	Phaeophyta,	Phaeophyta,	24-02-2022	3	5	Lecture	ICT
22	Rhodophyta.	Rhodophyta.	24-02-2022	4	5	Lecture	ICT
23	General characters and life history of Pteridophytes	General characters and life history of Pteridophytes	25-02-2022	3	1	Lecture	ICT
24	Cytology of Pteridophytes- Chromosome number and polyploidy	Cytology of Pteridophytes- Chromosome number and polyploidy	02-03-2022	2	2	Lecture	ICT
25	Filicopsida:	Filicopsida:	04-03-2022	1	9	Lecture	ICT
26	Structure and evolution of stele in Pteridophytes.	Structure and evolution of stele in Pteridophytes.	04-03-2022	3	3	Lecture	ICT
27	Origin and evolution of Sporangium.	Origin and evolution of Sporangium.	04-03-2022	4	4	Lecture	ICT
28	Heterospory and seed habit.	Heterospory and seed habit.	07-03-2022	3	5	Lecture	ICT
29	Development and evolutionary trends in the Gametophytes of Pteridophytes.	Development and evolutionary trends in the Gametophytes of Pteridophytes.	09-03-2022	2	6	Lecture	ICT
30	Apogamy, Apospory and Parthenogenesis.	Apogamy, Apospory and Parthenogenesis.	11-03-2022	3	7	Lecture	ICT
31	Classification of Pteridophytes: Holttum, Pichi-Sermolli.	Classification of Pteridophytes: Holttum, Pichi-Sermolli.	11-03-2022	4	8	Lecture	ICT
32	Rhyniales,	Rhyniales,	14-03-2022	3	9	Lecture	ICT
33	Psilophytales	Psilophytales	16-03-2022	2	9	Lecture	ICT
34	Psilotales	Psilotales	18-03-2022	3	9	Lecture	ICT
35	Lycopodiales	Lycopodiales	18-03-2022	4	9	Lecture	ICT
36	Isoetales	Isoetales	21-03-2022	3	9	Lecture	ICT
37	Hyeniales	Hyeniales	23-03-2022	2	9	Lecture	ICT
38	Pseudobomiales	Pseudobomiales	25-03-2022	3	9	Lecture	ICT
39	Sphenophyllales	Sphenophyllales	25-03-2022	4	9	Lecture	ICT
40	Calamitales	Calamitales	28-03-2022	3	9	Lecture	ICT
41	Equisetales.	Equisetales.	30-03-2022	2	9	Lecture	ICT

Staffname & Signature

Date & Time: 05-03-2022 1:40 PM

Dr. Binodhan K.B

[Signature]



*W. AD
8/3/22*

[Signature]

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

Department: BOTANY Batch: BSBO2019 Semester: S5

Subject : BOT5B07T Angiosperm Morphology & Systematics

Subject Plan Report between: 14-06-2021 to 30-12-2021

Sl No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
1	Components of systematics: Identification	14-06-2021	1	4	Components of systematics: Identification	14-06-2021	Fully Covered	4
2	description nomenclature	14-06-2021	1	5	description nomenclature	14-06-2021	Fully Covered	5
3	classification objectivities	15-06-2021	1	4	classification objectivities	15-06-2021	Fully Covered	4
4	importance of systematics	15-06-2021	1	5	importance of systematics	15-06-2021	Fully Covered	5
5	Systems of classification: Artificialâ€™ Linnaeus;	16-06-2021	1	4	Systems of classification: Artificialâ€™ Linnaeus;	16-06-2021	Fully Covered	4
6	Naturalâ€™ Bentham and Hooker	17-06-2021	1	5	Naturalâ€™ Bentham and Hooker	17-06-2021	Fully Covered	5
7	Phylogenetic-Hutchinson	21-06-2021	1	1	Phylogenetic-Hutchinson	21-06-2021	Fully Covered	1
8	;Angiosperm Phylogeny Group system	22-06-2021	1	4	;Angiosperm Phylogeny Group system	22-06-2021	Fully Covered	4
9	Taxonomic structure: Hierarchy;	22-06-2021	3	5	Taxonomic structure: Hierarchy;	22-06-2021	Fully Covered	5
10	Concepts of taxa	23-06-2021	3	4	Concepts of taxa	23-06-2021	Fully Covered	4
11	Species	24-06-2021	3	5	Species	24-06-2021	Fully Covered	5
12	Biological, Phenetic	28-06-2021	3	4	Biological, Phenetic	28-06-2021	Fully Covered	4
13	Phylogenetic	28-06-2021	3	5	Phylogenetic	28-06-2021	Fully Covered	5
14	Genus; Family.	29-06-2021	3	4	Genus; Family.	29-06-2021	Fully Covered	4
15	Taxonomic character â€™ concept	30-06-2021	3	5	Taxonomic character â€™ concept	30-06-2021	Fully Covered	5
16	primitive and advanced characters	02-07-2021	3	1	primitive and advanced characters	02-07-2021	Fully Covered	1
17	sources, comparative morphology	05-07-2021	3	4	sources, comparative morphology	05-07-2021	Fully Covered	4
18	vegetative, reproductive	05-07-2021	3	5	vegetative, reproductive	05-07-2021	Fully Covered	5
19	macro and micromorphology	06-07-2021	3	4	macro and micromorphology	06-07-2021	Fully Covered	4
20	modern trends in taxonomy	07-07-2021	3	5	modern trends in taxonomy	07-07-2021	Fully Covered	5
21	cytotaxonomy, chemotaxonomy	09-07-2021	3	1	cytotaxonomy, chemotaxonomy	09-07-2021	Fully Covered	1
22	numerical taxonomy, molecular taxonomy	12-07-2021	3	4	numerical taxonomy, molecular taxonomy	12-07-2021	Fully Covered	4
23	phylogenetics	12-07-2021	3	5	phylogenetics	12-07-2021	Fully Covered	5
24	Contributions of eminent Taxonomists viz Hendrik van Rheede	13-07-2021	3	4	Contributions of eminent Taxonomists viz Hendrik van Rheede	13-07-2021	Fully Covered	4
25	William Roxburgh, RobertWight	14-07-2021	3	5	William Roxburgh, RobertWight	14-07-2021	Fully Covered	5
26	J. S. Gamble and EK Janaki Ammal	16-07-2021	3	1	J. S. Gamble and EK Janaki Ammal	16-07-2021	Fully Covered	1
27	Plant identification â€™ Keys	19-07-2021	4	4	Plant identification â€™ Keys	19-07-2021	Fully Covered	4
28	indented and bracketed	19-07-2021	4	5	indented and bracketed	19-07-2021	Fully Covered	5
29	construction and applications.	22-07-2021	4	5	construction and applications.	22-07-2021	Fully Covered	5
30	Annonaceae	26-07-2021	2	1	Annonaceae	26-07-2021	Fully Covered	1
31	Malvaceae	27-07-2021	2	4	Malvaceae	27-07-2021	Fully Covered	4
32	Meliaceae	27-07-2021	2	5	Meliaceae	27-07-2021	Fully Covered	5
33	Fabaceae with sub families	29-07-2021	2	5	Fabaceae with sub families	29-07-2021	Fully Covered	5
34	Myrtaceae, Cucurbitaceae,	02-08-2021	2	1	Myrtaceae, Cucurbitaceae,	02-08-2021	Fully Covered	1
35	Rubiaceae, Asteraceae	03-08-2021	2	4	Rubiaceae, Asteraceae	03-08-2021	Fully Covered	4

36	Apocynaceae, Solanaceae	03-08-2021	2	5	Apocynaceae, Solanaceae	03-08-2021	Fully Covered	5
37	, Acanthaceae, Lamiaceae	05-08-2021	2	5	, Acanthaceae, Lamiaceae	05-08-2021	Fully Covered	5
38	Euphorbiaceae, Liliaceae	09-08-2021	2	1	Euphorbiaceae, Liliaceae	09-08-2021	Fully Covered	1
39	Orchidaceae and Poaceae	10-08-2021	2	4	Orchidaceae and Poaceae	10-08-2021	Fully Covered	4
40	Poaceae	10-08-2021	2	5	Poaceae	10-08-2021	Fully Covered	5
41	Orchidaceae	12-08-2021	2	5	Orchidaceae	12-08-2021	Fully Covered	5
42	Liliaceae	16-08-2021	2	1	Liliaceae	16-08-2021	Fully Covered	1
43	Euphorbiaceae,	17-08-2021	2	4	Euphorbiaceae,	17-08-2021	Fully Covered	4
44	Lamiaceae	17-08-2021	2	5	Lamiaceae	17-08-2021	Fully Covered	5
45	Acanthaceae,	01-09-2021	2	5	Acanthaceae,	01-09-2021	Fully Covered	5
46	Solanaceae	03-09-2021	2	1	Solanaceae	03-09-2021	Fully Covered	1
47	Apocynaceae	06-09-2021	2	4	Apocynaceae	06-09-2021	Fully Covered	4
48	Rubiaceae, Asteraceae,	06-09-2021	2	5	Rubiaceae, Asteraceae,	06-09-2021	Fully Covered	5
49	Myrtaceae, Cucurbitaceae	08-09-2021	2	5	Myrtaceae, Cucurbitaceae	08-09-2021	Fully Covered	5
50	Fabaceae with sub families	10-09-2021	2	1	Fabaceae with sub families	10-09-2021	Fully Covered	1
51	Plant Nomenclature â€œ Limitations of common name	13-09-2021	4	4	Plant Nomenclature â€œ Limitations of common name	13-09-2021	Fully Covered	4
52	ICN - Principles	13-09-2021	4	5	ICN - Principles	13-09-2021	Fully Covered	5
53	Typification holotype, isotype, syntype	15-09-2021	4	5	Typification holotype, isotype, syntype	15-09-2021	Fully Covered	5
54	paratype and lectotype	17-09-2021	4	1	paratype and lectotype	17-09-2021	Fully Covered	1
55	Priorityâ€™ merits and demerits	20-09-2021	4	4	Priorityâ€™ merits and demerits	20-09-2021	Fully Covered	4
56	Effective and valid publication	20-09-2021	4	5	Effective and valid publication	20-09-2021	Fully Covered	5
57	Author citation.	23-09-2021	4	5	Author citation.	23-09-2021	Fully Covered	5
58	modern trends in taxonomy	27-09-2021	3	1	modern trends in taxonomy	27-09-2021	Fully Covered	1
59	phylogenetics	28-09-2021	3	4	phylogenetics	28-09-2021	Fully Covered	4
60	Contributions of eminent Taxonomists viz Hendrik van Rheede	28-09-2021	3	5	Contributions of eminent Taxonomists viz Hendrik van Rheede	28-09-2021	Fully Covered	5
61	J. S. Gamble and EK Janaki Ammal	30-09-2021	3	5	J. S. Gamble and EK Janaki Ammal	30-09-2021	Fully Covered	5
62	Taxonomic structure: Hierarchy	04-10-2021	3	1	Taxonomic structure: Hierarchy	04-10-2021	Fully Covered	1
63	Phenetic and Phylogenetic	05-10-2021	3	4	Phenetic and Phylogenetic	05-10-2021	Fully Covered	4
64	Concepts of taxa	05-10-2021	3	5	Concepts of taxa	05-10-2021	Fully Covered	5
65	Phylogenetic â€œ Hutchinson	07-10-2021	1	5	Phylogenetic â€œ Hutchinson	07-10-2021	Fully Covered	5
66	Naturalâ€™ Bentham and Hooker	11-10-2021	1	1	Naturalâ€™ Bentham and Hooker	11-10-2021	Fully Covered	1
67	description nomenclature and classification	12-10-2021	1	4	description nomenclature and classification	12-10-2021	Fully Covered	4
68	importance of systematics	12-10-2021	1	5	importance of systematics	12-10-2021	Fully Covered	5
69	Apocynaceae	25-10-2021	2	5	Apocynaceae	25-10-2021	Fully Covered	5
70	Fabaceae with sub families	27-10-2021	2	1	Fabaceae with sub families	27-10-2021	Fully Covered	1
71	Malvaceae	28-10-2021	2	4	Malvaceae	28-10-2021	Fully Covered	4
72	Solanaceae	28-10-2021	2	5	Solanaceae	28-10-2021	Fully Covered	5
73	Acanthaceae	01-11-2021	2	5	Acanthaceae	01-11-2021	Fully Covered	5
74	Annonaceae	03-11-2021	2	1	Annonaceae	03-11-2021	Fully Covered	1
75	Poaceae	05-11-2021	2	4	Poaceae	05-11-2021	Fully Covered	4
76	Liliaceae	05-11-2021	2	5	Liliaceae	05-11-2021	Fully Covered	5

77	Asteraceae	09-11-2021	2	5	Asteraceae	09-11-2021 Fully Covered	5
78	Rubiaceae	11-11-2021	2	1	Rubiaceae	11-11-2021 Fully Covered	1
79	Myrtaceae,	12-11-2021	2	4	Myrtaceae,	12-11-2021 Fully Covered	4
80	Euphorbiaceae	12-11-2021	2	5	Euphorbiaceae	12-11-2021 Fully Covered	5
81	Orchidaceae	16-11-2021	2	5	Orchidaceae	16-11-2021 Fully Covered	5
82	Lamiaceae	18-11-2021	2	1	Lamiaceae	18-11-2021 Fully Covered	1
83	Plant identification â€œ Keys	19-11-2021	4	4	Plant identification â€œ Keys	19-11-2021 Fully Covered	4
84	Plant identification â€œ Keys	19-11-2021	4	4	Plant identification â€œ Keys	19-11-2021 Fully Covered	4
85	Indented and bracketed Plant Nomenclature â€œ Limitations of common name	19-11-2021	4	5	Indented and bracketed Plant Nomenclature â€œ Limitations of common name	19-11-2021 Fully Covered	5
86	Indented and bracketed Plant Nomenclature â€œ Limitations of common name	23-11-2021	4	5	Indented and bracketed Plant Nomenclature â€œ Limitations of common name	23-11-2021 Fully Covered	5
87	Typification holotype, isotype	25-11-2021	4	1	Typification holotype, isotype	25-11-2021 Fully Covered	1
88	Priorityâ€œ merits and demerits	26-11-2021	4	4	Priorityâ€œ merits and demerits	26-11-2021 Fully Covered	4
89	Effective and valid publication	26-11-2021	4	5	Effective and valid publication	26-11-2021 Fully Covered	5
90	Typification-lectotype	30-11-2021	4	5	Typification-lectotype	30-11-2021 Fully Covered	5

Staffname & Signature: Dr. Bindhu.K.B

Date & Time: 31-12-2021 11:08 am

Bindhu

f

Bindhu

**Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732**

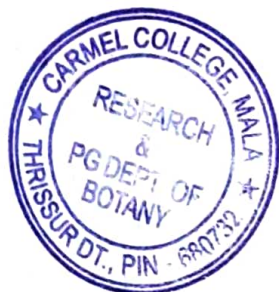



CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:BSBO2019 Semester:S6

Subject Planner Report Of BOT6B13T Environmental Science

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Environment Legislation in India	Prevention and control of pollution	30-03-2022	2	3	Lecture	Inquiry based learning.
2	E Waste	Management	25-03-2022	3	3	Lecture	Inquiry based learning.
3	Solid Waste Phytotechnological	Management & Policy document formation.	23-03-2022	2	3	Lecture	Inquiry based learning.
4	Approches Management of environmental pollution.	Formulations and applications	18-03-2022	3	3	Lecture	Inquiry based learning.
5	Global Environment changes	Policy documentation	16-03-2022	2	3	Lecture	Interactive Lecture.
6	El Nino Regulation of Greenhouse gases emission	Climate change, Global Warming & greenhouse gases	11-03-2022	3	3	Lecture	Interactive Lecture.
7	El Nino Regulation of Greenhouse gases emission	Efforts of world organisations	09-03-2022	2	3	Lecture	Interactive Lecture.
8	International and national Scenario	International and national Scenario	04-03-2022	3	3	Lecture	Interactive Lecture.
9	Pollution	Biomagnification and BOD	02-03-2022	2	3	Lecture	Interactive Lecture.




 Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732


 Do. hea Joseph

10	Pollution	Bio degradable and non biodegradable	24-02-2022	3	3	Lecture	Interactive Lecture.
11	Pollution	Sources and types	22-02-2022	2	3	Lecture	Interactive Lecture.
							Dr Geo Joseph



Geo Joseph
 Head
 Department of Botany
 Carmel College, Mala
 Thirissur, Kerala - 680732

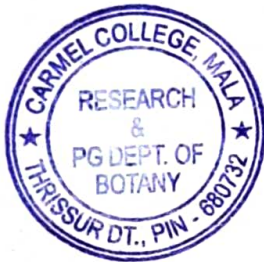
CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:MSBO2021 Semester:S1

Subject Planner Report Of BOT01CP04 Practicals of Phycology, Bryology, Pteridology, Gymnosperms,

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Details of Specimes with their charecterstic features	Albugo, Xylaria	07-03-2022	4	1	Practical	Pratical Based Learning

Dr Geo Joseph



[Signature]
Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

[Handwritten]
8/3/22

CARMEL COLLEGE, MALA

Affiliated to the University of Calicut Thrissur



Batch&Subbatch : BSBO2019 & All

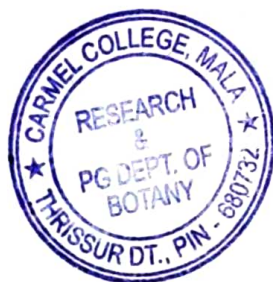
DEPT: BOTANY

SUBJECT PLAN REPORT BETWEEN 14-07-2021 - 30-12-2021

Subject Name & Code : Cell Biology & Biochemistry/CBCSS UG 2019

Subject Handled by : Dr.Geo Joseph

Sl No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
1	Chromosomal changes : Introduction	10-08-2021	2	2	Chromosomal changes : Introduction	10-08-2021	Fully Covered	2
2	Structural Aberrations	17-08-2021	2	2	Structural Aberrations	17-08-2021	Fully Covered	2
3	Numerical Aberrations	06-09-2021	2	2	Numerical Aberrations	06-09-2021	Fully Covered	2
4	Numerical Aberrations meiotic behaviour	13-09-2021	2	2	Numerical Aberrations meiotic behaviour	13-09-2021	Fully Covered	2
5	Proteins	20-09-2021	4	2	Proteins	20-09-2021	Fully Covered	2
6	Primary, Secondary, tertiary structures of proteins	28-09-2021	5	2	Primary, Secondary, tertiary structures of proteins	28-09-2021	Fully Covered	2
7	Denaturation and renaturation	05-10-2021	5	2	Denaturation and renaturation	05-10-2021	Fully Covered	2
8	Nucleotides	12-10-2021	6	2	Nucleotides	12-10-2021	Fully Covered	2
9	Structure and function of nucleotides	28-10-2021	6	2	Structure and function of nucleotides	28-10-2021	Fully Covered	2
10	Secondary metabolites	05-11-2021	6	2	Secondary metabolites	05-11-2021	Fully Covered	2
11	Physiological role of secondary metabolites	12-11-2021	6	2	Physiological role of secondary metabolites	12-11-2021	Fully Covered	2
12	Enzymes, Classification	19-11-2021	6	2	Enzymes, Classification	19-11-2021	Fully Covered	2
13	Mechanism of enzyme action	26-11-2021	6	2	Mechanism of enzyme action	26-11-2021	Fully Covered	2



Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

Print this report

CARMEL COLLEGE, MALA


Thrissur

Department:BOTANY Batch:BSBO2019 Semester:S6

Subject Planner Report Of BOT6B11T Biotechnology, Molecular Biology & Bioinformatics

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Molecular Phylogeny	Phylogenetic trees	28-03-2022	1	4	Lecture	Inquiry based learning.
2	Molecular Visualization	Use of Rasmol	25-03-2022	4	4	Lecture	Practical Based learning
3	Molecular Docking	Drug Desighn	21-03-2022	1	4	Lecture	Case based
4	Genomics	DNA Sequencing	18-03-2022	4	3	Lecture	Guided
5	Genome Projects	Human, Arabidopsis, Rice	14-03-2022	1	3	Lecture	Case based
6	Proteomics	Protein Sequencing	11-03-2022	4	3	Lecture	Interactive
7	retrivel from Biological database	BLAST & Clustal W	07-03-2022	1	2	Lecture	Interactive
8	Information retrivel from Biological database	Pair wise Sequence Alignment, Multiple Sequence Alignment.	04-03-2022	4	2	Lecture	Interactive Lecture.
9	Biological Database	Protein Database - Swiss Prot, PDB	25-02-2022	1	2	Lecture	Interactive
10	Biological Database	EMBL, Gen Bank, DDBJ	24-02-2022	4	2	Lecture	Interactive
11	Basis of genomics	Comparitive Genomics	18-02-2022	1	2	Lecture	Interactive
12	Futuristic IT	Artificial Intelligence & Bio Computing.	17-02-2022	1	1	Lecture	Directed Discussion.
13	Introduction to Bioinformatics	Brief history & Scope	17-02-2022	4	2	Lecture	Interactive
14	E waste	E Waste and Green Computing Uses, desighn, Aplications and format	11-02-2022	1	1	Lecture	Inquiry based learning.
15	Academic Websites	Open Access Publishing	10-02-2022	1	1	Lecture	Directed Discussion.
16	Open Acces initiatives		10-02-2022	4	1	Lecture	Interactive




 Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732


 6/8/22

17	IT in teaching	Web page designn, web hosting	04-02-2022	1	1	Lecture	Inquiry based learning.
18	Types of mutagens. Molecular Mechanism of	Characterstics of Mutagens	03-02-2022	1	7	Lecture	Interactive Interactive
19	Mutation.	Transition and Transversion	03-02-2022	4	7	Lecture	Lecture.
20	Mutation	Introduction	28-01-2022	1	7	Lecture	Guided
21	Gene Regulation	Trp Operon	27-01-2022	1	5	Lecture	Interactive
22	Gene regulation in eukaryotes	Gene regulation in eukaryotes	27-01-2022	4	6	Lecture	Interactive
23	Gene Regulation	Gene Regulation: Introduction	20-01-2022	1	5	Lecture	Interactive
24	Gene Regulation Central Dogma of Protein	Lac Operon	20-01-2022	5	5	Lecture	Interactive Interactive
25	Synthesis	Transcription of DNA	19-01-2022	1	4	Lecture	Lecture. Guided
26	Translation of	Process of translation and teminism	19-01-2022	4	4	Lecture	Instruction.
27	Genetic Code	Charecters of Genetic Code	13-01-2022	1	3	Lecture	Interactive Guided
28	Gene Action	One gene- one enzyme hypothesis.	12-01-2022	1	2	Lecture	Instruction. Inquiry based
29	Modern Conept of Gene	Cistrons, Recons and mutons. Molecular Mechanism of	12-01-2022	4	2	Lecture	learning. Interactive
30	Replication of DNA	Replication.	06-01-2022	1	1	Lecture	Lecture. Directed
31	Nucleic Acids	DNA, Discovery of genetic material.	05-01-2022	1	1	Lecture	Discussion.
32	Bacterial Transformation	Grifth & Avery's Experiment.	05-01-2022	4	1	Lecture	Case based

Dr Geo Joseph :

Date & Time:.....



Andlin
Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732

CARMEL COLLEGE, MALA

Affiliated to the University of Calicut Thrissur

DEPT: BOTANY

Batch&Subbatch : MSBO2020 & All

SUBJECT PLAN REPORT BETWEEN 13-07-2021 - 30-12-2021

Subject Handled by : Dr.Geo Joseph

Subject Name & Code : Practicals of Plant Physiology, Metabolism, Biochemistry, Angiosperm Morphology and Taxonomy/CBCSS PG 2019

Sl No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
1	Determination of water potential.	23-07-2021	1	2	Determination of water potential.	23-07-2021	Fully Covered	2
2	Extraction of leaf pigments and preparation of absorption spectra.	30-07-2021	2	2	Extraction of leaf pigments and preparation of absorption spectra.	30-07-2021	Fully Covered	2
3	Separation of leaf pigments by paper chromatography.	30-12-2021	3	5	Separation of leaf pigments by paper chromatography.	30-12-2021	Fully Covered	5



Geo Joseph
Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

Print this report

CARMEL COLLEGE, MALA

Affiliated to the University of Calicut Thrissur



Batch&Subbatch : MSBO2020 & All

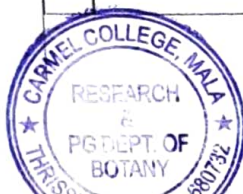
DEPT: BOTANY

SUBJECT PLAN REPORT BETWEEN 14-07-2021 - 30-12-2021

Subject Name & Code : Plant Physiology, Metabolism and Biochemistry/CBCSS PG 2019

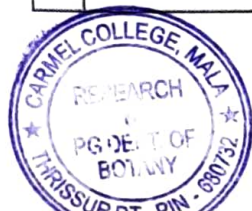
Subject Handled by : Dr.Geo Joseph

SI No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
1	Properties of water, Hydrogen Bonding, Water Potential	16-07-2021	1	3	Properties of water, Hydrogen Bonding, Water Potential	16-07-2021	Fully Covered	3
2	Soil-plant atmosphere continuum.	19-07-2021	1	5	Soil-plant atmosphere continuum.	19-07-2021	Fully Covered	5
3	Transpiration	26-07-2021	1	3	Transpiration	26-07-2021	Fully Covered	3
4	Stomatal Movement	27-07-2021	1	5	Stomatal Movement	27-07-2021	Fully Covered	5
5	Ascent of xylem water	02-08-2021	1	3	Ascent of xylem water	02-08-2021	Fully Covered	3
6	Absorption of minerals	03-08-2021	1	5	Absorption of minerals	03-08-2021	Fully Covered	5
7	Theories of stomatal movement	09-08-2021	1	3	Theories of stomatal movement	09-08-2021	Fully Covered	3
8	Nitrogen Cycle	10-08-2021	2	1	Nitrogen Cycle	10-08-2021	Fully Covered	1
9	Biological nitrogen fixation	10-08-2021	2	3	Biological nitrogen fixation	10-08-2021	Fully Covered	3
10	Symbiotic nitrogen fixation	16-08-2021	2	3	Symbiotic nitrogen fixation	16-08-2021	Fully Covered	3
11	Biochemistry of nitrogen fixation	17-08-2021	2	1	Biochemistry of nitrogen fixation	17-08-2021	Fully Covered	1
12	Genetics of nitrogen fixation	17-08-2021	2	3	Genetics of nitrogen fixation	17-08-2021	Fully Covered	3
13	Nitrogen Assimilation	03-09-2021	2	3	Nitrogen Assimilation	03-09-2021	Fully Covered	3
14	Nitrogen Nutrition	06-09-2021	2	1	Nitrogen Nutrition	06-09-2021	Fully Covered	1
15	Biosynthesis of amino acids	06-09-2021	2	3	Biosynthesis of amino acids	06-09-2021	Fully Covered	3
16	GDH GS/ GOGAT pathway	10-09-2021	2	3	GDH GS/ GOGAT pathway	10-09-2021	Fully Covered	3
17	Absorption of light energy	13-09-2021	3	1	Absorption of light energy	13-09-2021	Fully Covered	1
18	Absorption and action spectra	13-09-2021	3	3	Absorption and action spectra	13-09-2021	Fully Covered	3
19	Photoreceptors	17-09-2021	3	3	Photoreceptors	17-09-2021	Fully Covered	3
20	Two pigment system	20-09-2021	3	1	Two pigment system	20-09-2021	Fully Covered	1



Head *[Signature]*
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

Sl No.	Topic Name	Proposed Plan			Topic Name	Actual Plan		
		Date	Module	Hour		Date	Status	Hour
21	Water oxidising cycle	20-09-2021	3	3	Water oxidising cycle	20-09-2021	Fully Covered	3
22	C 2 Cycle	27-09-2021	3	3	C 2 Cycle	27-09-2021	Fully Covered	3
23	C 3 Cycle	28-09-2021	3	1	C 3 Cycle	28-09-2021	Fully Covered	1
24	C 4 Cycle	28-09-2021	3	3	C 4 Cycle	28-09-2021	Fully Covered	3
25	CAM Cycle	04-10-2021	3	3	CAM Cycle	04-10-2021	Fully Covered	3
26	Ecological significance of photosynthesis	05-10-2021	3	1	Ecological significance of photosynthesis	05-10-2021	Fully Covered	1
27	Translocation of photo assimilates	05-10-2021	4	3	Translocation of photo assimilates	05-10-2021	Fully Covered	3
28	Translocation of photo assimilates	11-10-2021	4	3	Translocation of photo assimilates	11-10-2021	Fully Covered	3
29	Phloem Transport	12-10-2021	4	1	Phloem Transport	12-10-2021	Fully Covered	1
30	Mechanism of translocation	12-10-2021	4	3	Mechanism of translocation	12-10-2021	Fully Covered	3
31	Phloem loading	22-10-2021	4	3	Phloem loading	22-10-2021	Fully Covered	3
32	Phloem un loading	27-10-2021	4	3	Phloem un loading	27-10-2021	Fully Covered	3
33	Distribution of Assimilates	28-10-2021	4	1	Distribution of Assimilates	28-10-2021	Fully Covered	1
34	Xenobiotic Chemicals	28-10-2021	4	3	Xenobiotic Chemicals	28-10-2021	Fully Covered	3
35	Plant growth	03-11-2021	5	3	Plant growth	03-11-2021	Fully Covered	3
36	Differentiation	05-11-2021	5	1	Differentiation	05-11-2021	Fully Covered	1
37	Genetic control of development	05-11-2021	5	3	Genetic control of development	05-11-2021	Fully Covered	3
38	Seed Germination	11-11-2021	5	3	Seed Germination	11-11-2021	Fully Covered	3
39	Auxins	12-11-2021	5	1	Auxins	12-11-2021	Fully Covered	1
40	Cytokinins	12-11-2021	5	3	Cytokinins	12-11-2021	Fully Covered	3
41	Ethylene	18-11-2021	5	3	Ethylene	18-11-2021	Fully Covered	3
42	Role of nutrients and vitamins.	19-11-2021	5	1	Role of nutrients and vitamins.	19-11-2021	Fully Covered	1
43	Phytochromes	26-11-2021	6	1	Phytochromes	26-11-2021	Fully Covered	1
44	Cryptochromes	26-11-2021	6	3	Cryptochromes	26-11-2021	Fully Covered	3
45	Stress Physiology	30-12-2021	6	5	Stress Physiology	30-12-2021	Fully Covered	5



h. / 12/22

Head *Anish*
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA

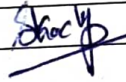
Thrissur

Department: BOTANY Batch: MSBO2021 Semester: S1

Subject Planner Report Of BOT01CP05 Practicals of Microbiology, Plant Pathology, Angiosperm anatomy, Embryology, Palynology and Lab Techniques.

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Embryology	Datura anther TS	13-01-2022	2	1	Practical	Demonstration
2	Embryology	Different types of Ovules	20-01-2022	2	2	Practical	Demonstration
3	Embryology	Embryosac	28-01-2022	2	4	Practical	Demonstration
4	Embryology	Dicot and monocot embryos	4/2/2022	2	5	Practical	Demonstration
5	Embryology	Embryo dissection	11/2/2022	2	5	Practical	Demonstration
6	Palynology	Pollen morphology	18-02-2022	2	1	Practical	Demonstration
7	Palynology	Pollen germination	25-02-2022	2	1	Practical	Demonstration
8	Palynology	Pollen germination	7/3/2022	2	1	Practical	
9	Palynology	Test for viability	14-03-2022	2	1	Practical	
10	Palynology	Model Practical	21-03-2022	2	1	Practical	
11	Palynology	Model Practical	28-03-2022	2	1	Practical	

Staffname & Signature: Dr.Sr.Kochuthressia K P




 Department
 Carmel College, Mala
 Thrissur, Kerala - 680732

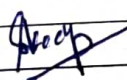
CARMEL COLLEGE, MALA


Thrissur

Department:BOTANY Batch:MSBO2021 Semester:S1

Subject Planner Report Of BOT01CT03 : Angiosperm Anatomy, Embryology, Palynology and Lab Techniques

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Angiosperm embryology	Introduction	7/1/2022	2	1	Lecture	PPT
2	Angiosperm embryology	Structure of anther	7/1/2022	3	1	Lecture	PPT
3	Angiosperm embryology	Microsporogenesis	13-01-2022	1	2	Lecture	PPT
4	Angiosperm embryology	Wall layers	14-01-2022	2	2	Lecture	PPT
5	Angiosperm embryology	Role of tapetum	14-01-2022	3	2	Lecture	PPT
6	Angiosperm embryology	Male gametophyte	20-01-2022	1	3	Lecture	PPT
7	Angiosperm embryology	Heterospory.	21-01-2022	2	3	Lecture	PPT
8	Angiosperm embryology	Megasporogenesis	21-01-2022	3	4	Lecture	PPT
9	Angiosperm embryology	Megaspore triad	28-01-2022	1	4	Lecture	PPT
10	Angiosperm embryology	Embryo sac	31-01-2022	2	5	Lecture	PPT
11	Angiosperm embryology	Theories of nature of embryo sac	31-01-2022	3	5	Lecture	Discussion
12	Angiosperm embryology	Pollination	4/2/2022	1	6	Lecture	PPT
13	Angiosperm embryology	Pollen - pistil interaction	7/2/2022	2	6	Lecture	PPT
14	Angiosperm embryology	In vitro pollination and fertilization	7/2/2022	3	6	Lecture	PPT
15	Angiosperm embryology	. Fertilization	11/2/2022	1	7	Lecture	PPT
16	Angiosperm embryology	Structure and development of embryos	14-02-2022	2	8	Lecture	PPT
17	Angiosperm embryology	Endosperm	14-02-2022	3	9	Lecture	PPT
18	Angiosperm embryology	Polyembryony	18-02-2022	1	10	Lecture	PPT
19	Angiosperm embryology	Apomixis	21-02-2022	2	11	Lecture	PPT

20	Angiosperm embryology	Parthenocarpy	21-02-2022	3	12	Lecture	PPT
21	Angiosperm embryology	. Experimental embryology	25-02-2022	1	13	Lecture	PPT
22	Angiosperm embryology	Embryology in relation to taxonomy	28-02-2022	2	14	Lecture	PPT
23	Palynology	Introduction	28-02-2022	3	1	Lecture	PPT
24	Palynology	Contributions	7/3/2022	1	1	Lecture	PPT
25	Palynology	Structure of pollen wall	8/3/2022	2	2	Lecture	PPT
26	Palynology	Pollen morphology	8/3/2022	3	2	Lecture	PPT
27	Palynology	Pollen evolution	14-03-2022	1	2	Lecture	PPT
28	Palynology	Aero-palynology	15-03-2022	2	3	Lecture	PPT
29	Palynology	Melittopalynology	15-03-2022	3	4	Lecture	PPT
30	Palynology	Recent advances in palynological studies	21-03-2022	1	5	Lecture	Discussion
31	Palynology	Pollen allergy	22-03-2022	2	5	Lecture	PPT
32	Palynology	Paleopalynology	22-03-2022	3	5	Lecture	PPT
33	Palynology	Palynology in relation to taxonomy	28-03-2022	1	6	Lecture	PPT
34	Palynology	Eurypalynous	29-03-2022	2	6	Lecture	Discussion
35	Palynology	Stenopalynous taxa	29-03-2022	3	6	Lecture	Discussion
Staff name & Signature: Dr.sr.Kochuthressia k P 							


Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA

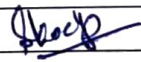
Thrissur


Department:BOTANY Batch:MSBO2020 Semester:S4

Subject Planner Report Of BOT04EP01 Practicals of Electives

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Plant pathology	Bud rot of coconut	4/1/2022	3	10	Practical	
2	Plant pathology	Stem bleeding of coconut	11/1/2022	3	10	Practical	
3	Plant pathology	Nut fall of arecanut	18-01-2022	3	10	Practical	
4	Plant pathology	Foot rot of black pepper	25-01-2022	3	10	Practical	
5	Plant pathology	Anthrachnose of black pepper	2/2/2022	3	10	Practical	
6	Plant pathology	Fungal soft rot of ginger	9/2/2022	3	10	Practical	
7	Plant pathology	Bacterial wilt of ginger	16-02-2022	3	10	Practical	
8	Plant pathology	Rhizome rot of cardamom	23-02-2022	3	10	Practical	
9	Plant pathology	Capsule rot of cardamom	3/3/2022	3	10	Practical	
10	Plant pathology	abnormal leaf fall of rubber	10/3/2022	3	10	Practical	
11	Plant pathology	Pod rot of cocoa.	17-03-2022	3	10	Practical	
12	Plant pathology	Model Practicls	24-03-2022	3	10	Practical	
13	Plant pathology	Model Pracrical	31-03-2022	3	10	Practical	

Staffname & Signature: Dr.Sr.Kochuthressia K P




 Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA

Thrissur

Department:BOTANY Batch:MSBO2020 Semester:S4

Subject Planner Report Of BOT04ET02 Pathology of Plantation Crops and Spices.


Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Plant Pathology	Biocontrol agents of disease management	5/1/2022	1	7	Lecture	PPT, Discussion
2	Plant Pathology	Fungal and bacterial products	10/1/2022	3	7	Lecture	PPT, Discussion
3	Plant Pathology	Mode of application and mode of action	12/1/2022	1	7	Lecture	PPT, Discussion
4	Plant Pathology	Botanicals as plant protectants	17-01-2022	3	8	Lecture	PPT, Discussion
5	Plant Pathology	Major sources, active principles	19-01-2022	4	8	Lecture	PPT, Discussion
6	Plant Pathology	Mode of application and mode of action	24-01-2022	3	8	Lecture	PPT, Discussion
7	Plant Pathology	Integrated pest management	27-01-2022	4	9	Lecture	PPT, Discussion
8	Plant Pathology	Disease management	1/2/2022	3	9	Lecture	PPT, Discussion
9	Plant Pathology	Bud rot of coconut	3/2/2022	4	10	Lecture	PPT, Discussion
10	Plant Pathology	Stem bleeding of coconut	8/2/2022	3	10	Lecture	PPT, Discussion
11	Plant Pathology	Nut fall of arecanut	10/2/2022	4	10	Lecture	PPT, Discussion
12	Plant Pathology	Foot rot of black pepper	15-02-2022	3	10	Lecture	PPT, Discussion
13	Plant Pathology	Anthrachnose of black pepper	17-02-2022	4	10	Lecture	PPT, Discussion
14	Plant Pathology	Fungal soft rot of ginger	22-02-2022	3	10	Lecture	PPT, Discussion
15	Plant Pathology	Bacterial wilt of ginger	24-02-2022	4	10	Lecture	PPT, Discussion
16	Plant Pathology	Rhizome rot of cardamom	2/3/2022	3	10	Lecture	PPT, Discussion
17	Plant Pathology	Capsule rot of cardamom	4/3/2022	4	10	Lecture	PPT, Discussion
18	Plant Pathology	Abnormal leaf fall of rubber	9/3/2022	3	10	Lecture	PPT, Discussion
19	Plant Pathology	Pod rot of cocoa	11/3/2022	4	10	Lecture	PPT, Discussion


Staffname & Signature: Dr.sr.Kochuthressia K P



Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA, Thrissur							
Department:BOTANY Batch:BSBO2021 Semester:S1							
Subject Planner Report Of BOT1B01T Angiosperm Anatomy, Reproductive Botany & Palynology							
Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Reproductive botany	Introduction to angiosperm embryology	22-11-2021	4	1	Lecture	PPT,Discussion
2	Reproductive botany	Indian embryologists	24-11-2021	1	1	Lecture	PPT,Discussion
3	Reproductive botany	Microsporogenesis	29-11-2021	4	2	Lecture	PPT,Discussion
4	Reproductive botany	Structure and function of anther wall layers	1/12/2021	1	2	Lecture	
5	Reproductive botany	Development of male gametophyte	6/12/2021	4	2	Lecture	PPT,Discussion
6	Reproductive botany	Dehiscence of anther	8/12/2021	1	2	Lecture	
7	Reproductive botany	Megasporogenesis	13-12-2021	4	3	Lecture	PPT,Discussion
8	Reproductive botany	Development of female gametophyte	15-12-2021	1	3	Lecture	
9	Reproductive botany	Embryosac-development	20-12-2021	4	3	Lecture	PPT,Discussion
10	Reproductive botany	Types- monosporic	22-12-2021	1	3	Lecture	PPT
11	Reproductive botany	Bisporic: Allium type	3/1/2022	4	3	Lecture	
12	Reproductive botany	Tetrasporic: Adoxa type	5/1/2022	1	3	Lecture	
13	Reproductive botany	Pollination	10/1/2022	4	4	Lecture	PPT
14	Reproductive botany	Fertilization	12/1/2022	1	4	Lecture	PPT
15	Reproductive botany	Barriers of fertilization	17-1-2022	4	4	Lecture	Discussion
16	Reproductive botany	Germination of pollen grains	19-1-2022	1	4	Lecture	PPT
17	Reproductive botany	Double fertilization	24-1-2022	4	4	Lecture	PPT
18	Reproductive botany	Structure of embryo dicot	27-1-2022	1	5	Lecture	
19	Reproductive botany	Monocot (Sagittaria)	1/2/2022	4	5	Lecture	

20	Reproductive botany	Endosperm types	3/2/2022	1	5	Lecture	
21	Palynology	Pollen morphology	8/2/2022	4	1	Lecture	PPT
22	Palynology	Pollen morphology	10/2/2022	1	1	Lecture	
23	Palynology	Economic and taxonomic importance	15-2-2022	4	1	Lecture	Discussion
Staff name & Signature: Dr.Sr.kochuthressia K P 							


 Head
 Department of Botany
 Carmel College, Mala
 Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA

Thrissur

Department:BOTANY Batch:BSBO2019 Semester:S6

Subject Planner Report Of BOT6B14T Genetics and Crop Improvement

Sl.no	Topic Name	Description	Date	H ou r	Module	Mode of Instruction	Teaching Pedagogy
1	Crop improvement	Crop genetics	4/1/2022	2	1	Lecture	PPT,Discussion
2	Crop improvement	General account of origin	5/1/2022	2	1	Lecture	
3	Crop improvement	Genetic variability,	5/1/2022	5	1	Lecture	PPT,Discussion
4	Crop improvement	Floral biology, breeding techniques and achievements	11/1/2022	2	1	Lecture	PPT
5	Crop improvement	Rice, Coconut	12/1/2022	2	1	Lecture	
6	Crop improvement	Rubber, Arecanut	12/1/2022	5	1	Lecture	PPT,Discussion
7	Crop improvement	Cashew and Pepper	18-01-2022	2	1	Lecture	
8	Crop improvement	Plant genetic resources	19-01-2022	2	2	Lecture	
9	Crop improvement	Exploration, conservation	19-01-2022	5	2	Lecture	PPT,Discussion
10	Crop improvement	Evaluation, documentation	25-01-2022	2	2	Lecture	PPT
11	Crop improvement	utilization.	27-01-2022	2	2	Lecture	
12	Crop improvement	NBPGR and IPGRI	27-01-2022	5	2	Lecture	PPT,Discussion
13	Crop improvement	International institutes	2/2/2022	2	2	Lecture	PPT
14	Crop improvement	ARI, CCMB, IISc, BARC	3/2/2022	2	2	Lecture	
15	Crop improvement	CPCRI, IISR, RRII, CTCRI,	3/2/2022	5	2	Lecture	PPT,Discussion
16	Crop improvement	KFRI, JNTBGRI	9/2/2022	2	2	Lecture	
17	Crop improvement	Methods of crop Improvement	10/2/2022	2	3	Lecture	PPT,Discussion
18	Crop improvement	Plant introduction	10/2/2022	5	3	Lecture	PPT

19	Crop improvement	Selection	16-02-2022	2	3	Lecture	
20	Crop improvement	Hybridization	17-02-2022	2	3	Lecture	
21	Crop improvement	Interspecific hybridization;	17-02-2022	5	3	Lecture	PPT,Discussion
22	Crop improvement	Intergeneric	23-02-2022	2	3	Lecture	PPT
23	Crop improvement	Achievements	24-02-2022	2	3	Lecture	
24	Crop improvement	Genetics of back crossing	24-02-2022	5	3	Lecture	PPT,Discussion
25	Crop improvement	Inbreeding	3/3/2022	2	3	Lecture	
26	Crop improvement	Inbreeding depression	4/3/2022	2	3	Lecture	PPT
27	Crop improvement	Heterosis	4/3/2022	5	3	Lecture	PPT,Discussion
28	Crop improvement	Heterobeltiosis	10/3/2022	2	3	Lecture	
29	Crop improvement	Heteroploidy in crop improvement	11/3/2022	2	4	Lecture	PPT
30	Crop improvement	Significance of haploids and polyploids	11/3/2022	5	4	Lecture	PPT
31	Crop improvement	Mutations in crop improvement	17-03-2022	2	4	Lecture	PPT
32	Crop improvement	achievements and future prospects	18-03-2022	2	4	Lecture	PPT
33	Crop improvement	Genetics of nitrogen fixation	18-03-2022	5	4	Lecture	PPT,Discussion
34	Crop improvement	Use of biofertilizers in crop improvement	24-03-2022	2	4	Lecture	
35	Crop improvement	Genetics of photosynthesis	25-03-2022	2	4	Lecture	PPT,Discussion

Staff name & Signature: Dr.Sr.Kochuthressia k P

[Handwritten Signature]

[Handwritten Signature]
Head
Department of Botany
Carmel College, Mala
Esur, Kerala - 680732

CARMEL COLLEGE, MALA
Thrissur

Department:BOTANY Batch:BSBO2019 Semester:S6

Subject Planner Report Of BOT6B10T Genetics & Plant Breeding

Sl.n	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Plant Breeding	Objectives of Plant breeding	23-02-2022	4	1	Lecture	PPT
2	Plant Breeding	Plant Genetic Resources	3/3/2022	4	1	Lecture	PPT
3	Plant Breeding	Plant introduction	10/3/2022	4	2	Lecture	
4	Plant Breeding	Selection	17-03-2022	4	2	Lecture	
5	Plant Breeding	Hybridization	24-03-2022	4	2	Lecture	
6	Plant Breeding	Modern tools for plant breeding	31-03-2022	4	2	Lecture	

Staffname & Signature: Dr.Sr.Kochuthressia K P




Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

2021-2022

REMEDIAL TEACHING

Semester: I

Teacher incharge : Neethu Sunny

SL.NO.	DATE	TOPIC
1.	8/12/2022	Conformation of acyclic compounds – Ethane & n- butane
2.	10/12/2022	Conformation of acyclic compounds –,alkene dihalides &glycols
3.	14/12/2022	Conformation of acyclic compounds –chlorohydrines& tartaric acid
4.	20/12/2022	Conformation of acyclic compounds –Erythro and threo isomer
5.	10/1/2022	Conformation of 2-bromocyclohexanone, dibromocyclo hexanone, (cis & trans), 2-bromo-4,4-dimethyl cyclohexanone.
6.	17/1/2022	Conformation of dibromocyclo hexanone, (cis & trans)
7.	27/1/2022	Conformation of 2-bromo-4,4-dimethyl cyclohexanone
8.	3/2/2022	Conformations of 1,4 -cis and -trans disubstituted cyclohexanes
9.	4/2/2022	Effect of conformation on the course and rate of reactions in (a) debromination of dl and meso 2,3-dibromobutane or stilbene dibromide using KI.
10.	28/2/2022	Semipinacolic deamination of erythro and threo 1,2-diphenyl-1-(p-chlorophenyl)-2-amino ethanol.



Princy K.G.
Dr. PRINCY K.G.
ASSOCIATE PROFESSOR & HEAD
DEPT. OF CHEMISTRY
CARMEL COLLEGE, MALA

MARK LIST-2020-2022(I SEM)

Sl.No.	NAME	Pass percentage (Previous exam)	Pass percentage after coaching
1.	Neema Joy	21%	40%
2.	Jasheena P.J	38%	50%
3.	Angel A.J	30%	55%
4.	Dini Paul	28%	45%
5.	Neena Wilson	40%	55%
6.	Sandra Sabu	45%	48%
7.	Anusree P.S	35%	50%



Princy K.G.

Dr. PRINCY K.G.
ASSOCIATE PROFESSOR & HEAD
DEPT. OF CHEMISTRY
CARMEL COLLEGE, MALA

Department of Chemistry
Attendance for Remedial teaching 2021- 2022

Teacher in charge : Neethu Sunny

Semester : I

Subject : CHE1C03-Structure and reactivity of organic compounds

Sl. No.	Name of the student	Date and Time									
		8/12/2022 3:30-4:30	10/12/2022 3:30-4:30	14/12/2022 3:30-4:30	21/12/22 3:30-4:30	10/1/22 3:30-4:30	17/1/22 3:30-4:30	27/1/22 3:30-4:30	3/2/22 3:30-4:30	4/2/22 3:30-4:30	28/2/22 3:30-4:30
1.	Neema Joy	Neema	Neema	Neema	Neema	Neema	Neema	Neema	Neema	Neema	Neema
2.	Jasheena P.J	Neema	Neema	Neema	Neema	Neema	Neema	Neema	Neema	Neema	Neema
3.	Angel A.J	ngal	ngal	ngal	ngal	ngal	ngal	ngal	ngal	ngal	ngal
4.	Dini Paul	Dini	Dini	Dini	Dini	Dini	Dini	Dini	Dini	Dini	Dini
5.	Neena Wilson	Neema	Neema	Neema	Neema	Neema	Neema	Neema	Neema	Neema	Neema
6.	Sandra Sabu	Sandra	Sandra	Sandra	Sandra	Sandra	Sandra	Sandra	Sandra	Sandra	Sandra

Neethu
Teacher in charge



Princy K.G.R
Dr. PRINCY K.G.
 ASSOCIATE PROFESSOR & HEAD -
 DEPT. OF CHEMISTRY
 CARMEL COLLEGE, MALAPPURAM
 Signature (HOD)

2021-2022

REMEDIAL TEACHING

Semester: II

Teacher incharge : Neethu Sunny

SL.NO.	DATE	TOPIC
1.	10/6/2022	Construction of Γ cart, normal coordinates and drawings of normal modes of H ₂ O and NH ₃
2.	13/6/2022	Determination of IR active and Raman active modes of molecules H ₂ O & NH ₃
3.	20/6/2022	Determination of IR active and Raman active modes of molecules CH ₄ & SF ₆
4.	23/6/2022	Direct product of irreducible representations and its use in identifying vanishing and non-vanishing integrals
5.	28/6/2022	Transition moment integral and spectral transition probabilities
6.	30/6/2022	Electronic Spectra – electronic transitions and selection rules
7.	4/7/2022	Treatment of hybridization in BF ₃ and CH ₄ ,
8.	5/7/2022	Molecular orbital theory – HCHO and H ₂ O
9.	6/7/2022	Symmetry adapted linear combinations (SALC)
10.	7/7/2022	Construction of SALCs for the π MOs in cyclopropenyl (C ₃ H ₃ ⁺) cation



Princy K.G.

Dr. PRINCY K.G.
ASSOCIATE PROFESSOR & HEAD
DEPT. OF CHEMISTRY
CARMEL COLLEGE, MALA

MARK LIST-2021-2022(II SEM)

Sl.No.	NAME	Pass percentage (Previous exam)	Pass percentage after coaching
1.	Neema Joy	34%	40%
2.	Jasheena P.J	32%	50%
3.	Angel A.J	44%	54%
4.	Dini Paul	38%	55%
5.	Neena Wilson	45%	60%
6.	Sandra Sabu	45%	52%



Princy K.G.
Dr. PRINCY K.G.
ASSOCIATE PROFESSOR & HEAD
DEPT. OF CHEMISTRY
CARMEL COLLEGE, MALA

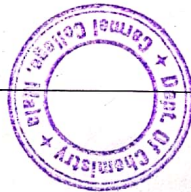
Department of Chemistry
Attendance for Remedial teaching 2021-22

Teacher in charge : Neethu Sunny
 Semester : II
 Subject : CHE2C05-Group Theory and Chemical Bonding

Sl. No.	Name of the student	Date and Time									
		10/6/22 3:30-4:30	13/6/22 3:30-4:30	20/6/22 3:30-4:30	23/6/22 3:30-4:30	28/6/22 3:30-4:30	30/6/22 3:30-4:30	4/7/22 3:30-4:30	5/7/22 3:30-4:30	6/7/22 3:30-4:30	7/7/22 3:30-4:30
1.	Neema Joy	Neema	Neema	Neema	Neema	Neema	Neema	Neema	Neema	Neema	Neema
2.	Jasheena P.J	Neema	Neema	Neema	a	Neema	Neema	Neema	Neema	Neema	Neema
3.	Angel A.J	vgea	vgea	vgea	vgea	vgea	vgea	vgea	vgea	vgea	vgea
4.	Dini Paul	Dini	Dini	Dini	Dini	Dini	Dini	Dini	Dini	Dini	Dini
5.	Neena Wilson	Neema	Neema	Neema	a	Neema	a	Neema	Neema	Neema	Neema
6.	Sandra Sabu	Sandra	Sandra	Sandra	Sandra	Sandra	Sandra	Sandra	Sandra	Sandra	Sandra

Neethu

Teacher in charge

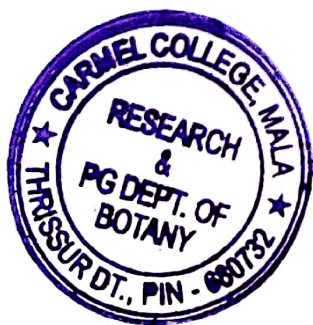


Princy K.G
 Dr. PRINCY K.G.
 ASSOCIATE PROFESSOR & HEAD
 DEPT. OF CHEMISTRY
 CARMEL COLLEGE, MA
 Signature (HOD)

Carmel College Mala
Department of Botany
Remedial teaching 2021-2022
Third Semester PG Botany

Sl. No	Name of candidate	Percentage of Attendance Secured 25	Remarks
1.	Akhitha P.M	22	Advanced learner
2.	Anjana Antony	13	Slow learner
3.	Ann Maria Mony	20	Advanced learner
4.	Ann mariya Varghese	21	Advanced learner
5.	Arabhi R	15	Slow learner
6.	Athira M.B.	14	Slow learner
7.	Athira V.V	14	Slow learner
8.	Haripriya C.S.	20	Advanced learner
9.	Keerthana T N	21	Advanced learner
10.	Mariya Henry	16	Slow learner
11.	Rosmy Antony	20	Advanced learner
12.	Sumayya	20	Advanced learner
13.	Surya Rajan	23	Advanced learner
14.	Swathykrishna B	22	Advanced learner
15.	Vishnupriya C S	24	Advanced learner

[Handwritten Signature]



Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732

Remedial Teaching III Semester MSc Botany 2021-2022

No	Name	2-11-2021	3-11-2021	17-11-2021	18-11-2021	19-11-2021	26-11-2021
1	Anjana Antony	Anjana	Anjana	Anjana	9	Anjana	Anjana
2	Athira M.B	Athira	Athira	a	Athira	Athira	Athira
3	Mariya Hentry	Mariya	Mariya	Mariya	Mariya	Mariya	Mariya
4	Arabhi R	Arabhi	Arabhi	a	Arabhi	a	Arabhi
5	Athira V.V	Athira	Athira	Athira	Athira	a	Athira

No	Date	Topic covered
1	2-11-2021	Organ culture
2	3-11-2021	Bioreactors
3	17-11-2021	Enzymes of GE
4	18-11-2021	Somatic hybridization
5	19-11-2021	Cryopreservation
6	26-11-2021	Protoplast culture

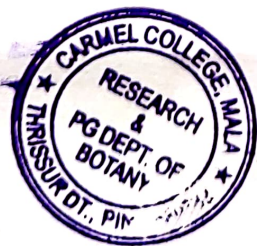
Name & signature of tutor:

HOD

[Signature]

[Signature]

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



Remedial Teaching
IV Semester MSc Botany 2021-2022

No	Name	6-1-2022	7-1-2022	11-1-2022	20-1-2022	21-1-2022	27-1-2022
1	Anjana Antony	Anjana	Anjana	Anjana	Anjana	Anjana	Anjana
2	Athira M.B	Athira	Athira	Athira	Athira	Athira	Athira
3	Mariya Hentry	Mariya	Mariya	Mariya	Mariya	Mariya	Mariya
4	Arabhi R	Arabhi	Arabhi	Arabhi	Arabhi	Arabhi	Arabhi
5	Athira V.V	Athira	Athira	Athira	A	Athira	Athira

No	Date	Topic covered
1	6-1-2022	Farmer's right
2	7-1-2022	Seed sanitation
3	11-1-2022	IPR
4	20-1-2022	GI indication
5	21-1-2022	Integrated farming
6	27-1-2022	Organic farming

Name & signature of tutor:

HOD

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732




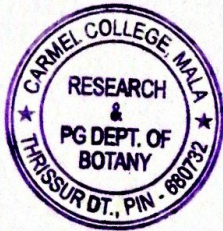
Department of BOTANY
Remedial Teaching 2021- 2022

Teacher in charge : Dr. Dhanya Thomas T. T.

Semester : First Semester B Sc Botany

Sl. No.	Name of the student	Pass percentage (Previous exam) 25	Pass percentage (After coaching) 25
1	Devika Sadananadan	5	11
2	Soofiya Bhanu	11	14
3	Vrindha T Ramesh	10	15
4	Thrisha Krishna	6	14
5	Nimisha P S	12	16
6	Ahlia	5	11
7	Reema K J	7	12
8	Aswathi P A	11	14
9	Athulya Mohan	11	14
10	Gopika O G	8	12


Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



Remedial Teaching
I Semester B Sc Botany 2021-2022

No	Name	08/12/2021	14/12/2021	06/01/2022	18/01/2022	25/01/2022
1	Devika Sadananadan	Devika	Devika	Devika	Devika	Devika
2	Soofiya Bhanu	Sul	Sul	Sul	Sul	Sul
3	Vrindha T Ramesh	Vrindha	Vrindha	Vrindha	Vrindha	Vrindha
4	Thrisha Krishna	Thrisha	Thrisha	Thrisha	Thrisha	Thrisha
5	Nimisha P S	Nimisha	Nimisha	Nimisha	Nimisha	Nimisha
6	Ahlia	Ahlia	Ahlia	Ahlia	Ahlia	Ahlia
7	Reema K J	Reema	Reema	Reema	Reema	Reema
8	Aswathi P A	Aswathi	Aswathi	Aswathi	Aswathi	Aswathi
9	Athulya Mohan	Athulya	Athulya	Athulya	Athulya	Athulya
10	Gopika O G	Gopika	Gopika	Gopika	Gopika	Gopika

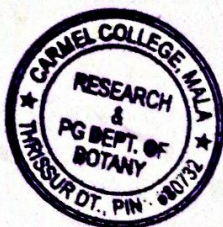
No	Date	Topic covered
1	08-12-2021	Cell wall organization
2	14-12-2021	Complex tissues
3	06-01-2022	Stem anatomy
4	18-01-2022	Leaf Anatomy
5	25-01-2022	Root anatomy

Name & signature of tutor:

Dr. Dhanya Thomas T.T
Assistant Professor
Department of Botany
Carmel College, Mala, Thrissur

HOD

Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



Carmel College Mala
Department of Botany
Remedial teaching 2021-2022
Fifth Sem Botany

Sl. No	Name of candidate	Percentage of Attendance Secured 25	Remarks
1.	ABHIRAMI M V	12	Slow learner
2.	ANJALI E R	13	Slow learner
3.	ANJALI K J	20	
4.	ANJANA U J	21	
5.	ANUSHA C S	20	
6.	MEGHA MUKUNDAN	25	Advanced learner
7.	OLGA OUSEPH	24	Advanced learner
8.	SANDRA M S	20	
9.	SOORYA R	13	Slow learner
10.	SREESHMA RAMESH	23	
11.	THAHANA PARVEEN M T	20	
12.	AKHILA NARAYANAN	20	
13.	ALEENA PAULY	23	
14.	ANJANA T S	15	Slow learner
15.	ARDRA M A	11	Slow learner
16.	ARYA GOPI	24	Advanced learner
17.	ASWANI P K	13	Slow learner
18.	ASWATHI P K	20	
19.	ASWATHY K K	20	
20.	ASWATHY N R	20	
21.	ASWATHY V P	24	Advanced learner
22.	ENOSHA BAIJU	23	
23.	GAYATHRI C S	19	
24.	GREESHMA K S	24	Advanced learner
25.	LIYA T V	20	
26.	SANEESHA P S	16	Slow learner
27.	SHAHANA SHAMSEER	23	
28.	SISIRA SHAJI	12	Slow learner

[Signature]
Dr. Sr. Kochu Thiruvassra. K P

[Signature]
Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

DEPARTMENT OF BOTANY

Attendance of Remedial Classes 2021-2022

Teacher in charge : Dr.Sr.Kochuthressia K P

Semester : Fifth Semester B Sc Botany

Sl.no	Name of students	14/12/21	15/12/21	17/12/21	21/12/21	5/1/22	6/1/22	7/1/22	10/1/22	11/1/22	12/1/22
1	ABHIRAMI M V	<i>Abhirami</i>	<i>Abhirami</i>	<i>Abhirami</i>	<i>Abhirami</i>	<i>Abhirami</i>	<i>Abhirami</i>	<i>Abhirami</i>	<i>Abhirami</i>	<i>Abhirami</i>	<i>Abhirami</i>
2	ANJALI E R	<i>Anjali</i>	<i>Anjali</i>	<i>Anjali</i>	<i>Anjali</i>	<i>Anjali</i>	<i>Anjali</i>	<i>Anjali</i>	<i>Anjali</i>	<i>Anjali</i>	<i>Anjali</i>
3	SOORY R	<i>R.Sool</i>	<i>R.Sool</i>	<i>R.Sool</i>	<i>R.Sool</i>	<i>R.Sool</i>	<i>R.Sool</i>	<i>R.Sool</i>	<i>R.Sool</i>	<i>R.Sool</i>	<i>R.Sool</i>
4	ANJANA T S	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>
5	ARDRA M A	<i>Ardra</i>	<i>Ardra</i>	<i>Ardra</i>	<i>Ardra</i>	<i>Ardra</i>	<i>Ardra</i>	<i>Ardra</i>	<i>Ardra</i>	<i>Ardra</i>	<i>Ardra</i>
6	ASWNI P K	<i>Aswini</i>	<i>Aswini</i>	<i>Aswini</i>	<i>Aswini</i>	<i>Aswini</i>	<i>Aswini</i>	<i>Aswini</i>	<i>Aswini</i>	<i>Aswini</i>	<i>Aswini</i>
7	SANEESHA P S	<i>Saneesha</i>	<i>Saneesha</i>	<i>Saneesha</i>	<i>Saneesha</i>	<i>Saneesha</i>	<i>Saneesha</i>	<i>Saneesha</i>	<i>Saneesha</i>	<i>Saneesha</i>	<i>Saneesha</i>
8	SISIRA SHAJI	<i>Sisira</i>	<i>Sisira</i>	<i>Sisira</i>	<i>Sisira</i>	<i>Sisira</i>	<i>Sisira</i>	<i>Sisira</i>	<i>Sisira</i>	<i>Sisira</i>	<i>Sisira</i>

Teacher in charge *Dr. Sr. Kochuthressia K-P*
 Dr. Sr. Kochuthressia K-P



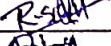


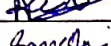
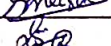

[Signature]
 Signature (HOD)
 Head
 Department of Botany
 Carmel College, Maid
 Thrissur, Kerala - 680732

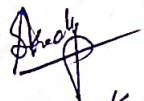
DEPARTMENT OF BOTANY

Remedial Teaching 2021-2022

Teacher in charge : Dr.Sr.Kochuthressia K P

Semester : Fifth Semester B Sc Botany

Sl. No.	Name of the student	Marks (Previous exam) (25)	Marks (after coaching)	Signature
1	ABHIRAMI M V	12	21	
2	ANJALI E R	13	19	
3	SOORY R	13	21	
4	ANJANA T S	15	20	
5	ARDRA M A	11	20	
6	ASWNI P K	13	21	
7	SANEESHA P S	16	20	
8	SISIRA SHAJI	12	21	

Teacher in charge 
Dr. Sr. Kochuthressia. K.p

Signature  (HOD)

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

DEPARTMENT OF BOTANY


Attendance of Remedial Classes 2021– 2022

Teacher in charge : Dr.Sr.Kochuthressia K P

Semester : Sixth Semester B Sc Botany

Sl.no	Name of students	2/3/22	4/3/22	16/3/22	17/3/22	18/3/22	21/3/22	23/3/22	30/3/22
1	ABHIRAMI M V	<u>Abhirami</u>	<u>Abhirami</u>	<u>Abhirami</u>	<u>Abhirami</u>	<u>Abhirami</u>	<u>Abhirami</u>	<u>Abhirami</u>	<u>Abhirami</u>
2	ANJALI E R	<u>Anjali</u>	<u>Anjali</u>	<u>Anjali</u>	<u>Anjali</u>	<u>Anjali</u>	<u>Anjali</u>	<u>Anjali</u>	<u>Anjali</u>
3	SOORY R	<u>Soorya</u>	<u>Soorya</u>	<u>Soorya</u>	<u>Soorya</u>	<u>Soorya</u>	<u>Soorya</u>	<u>Soorya</u>	<u>Soorya</u>
4	ANJANA T S	<u>Anjana</u>	<u>Anjana</u>	<u>Anjana</u>	<u>Anjana</u>	<u>Anjana</u>	<u>Anjana</u>	<u>Anjana</u>	<u>Anjana</u>
5	ARDRA M A	<u>Ardra</u>	<u>Ardra</u>	<u>Ardra</u>	<u>Ardra</u>	<u>Ardra</u>	<u>Ardra</u>	<u>Ardra</u>	<u>Ardra</u>
6	ASWNI P K	<u>Aswini</u>	<u>Aswini</u>	<u>Aswini</u>	<u>Aswini</u>	<u>Aswini</u>	<u>Aswini</u>	<u>Aswini</u>	<u>Aswini</u>
7	SANEESHA P S	<u>Saneesha</u>	<u>Saneesha</u>	<u>Saneesha</u>	<u>Saneesha</u>	<u>Saneesha</u>	<u>Saneesha</u>	<u>Saneesha</u>	<u>Saneesha</u>
8	SISIRA SHAJI	<u>Sisira</u>	<u>Sisira</u>	<u>Sisira</u>	<u>Sisira</u>	<u>Sisira</u>	<u>Sisira</u>	<u>Sisira</u>	<u>Sisira</u>

Teacher in charge
Dr. Sr. Kochuthressia. K-p



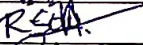
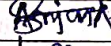

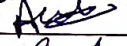
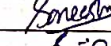


 Signature (HOD)
 Head
 Department of Botany
 Camel College, Mala
 Thrissur, Kerala - 680732

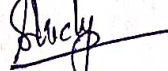
DEPARTMENT OF BOTANY

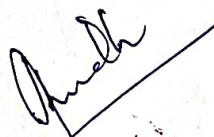
Remedial Teaching 2021– 2022

Teacher in charge : Dr.Sr.Kochuthressia K P

Semester : Sixth Semester B Sc Botany

Sl. No.	Name of the student	Marks (Previous exam) (25)	Marks (after coaching)	Signature
1	ABHIRAMI M V	15	21	
2	ANJALI E R	16	19	
3	SOORY R	15	21	
4	ANJANA T S	15	20	
5	ARDRA M A	12	22	
6	ASWNI P K	13	21	
7	SANEESHA P S	15	20	
8	SISIRA SHAJI	15	22	

Teacher in Charge 
Dr. Sr. Kochuthressia K. P


Signature (HOD)

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

CARMEL COLLEGE, MALA
Department of Botany

M.Sc Botany
Remedial Teaching 2021- 2022

Tutor : Dr. Roby T J
Semester : First Semester
Paper -01 : *Phycology, Bryology. Pteridology and Gymnosperms*

Attendance

Sl. No	Name	7/2/22	10/2/22	15/2/22	18/2/22	23/2/22	28/2/22	3/3/22
1	Ambili T V	<i>Ambili</i>	<i>Ambili</i>	<i>Ambili</i>	<i>Ambili</i>	<i>Ambili</i>	<i>Ambili</i>	<i>Ambili</i>
2	Aswathy Vinod A V	<i>Aswathy</i>	<i>Aswathy</i>	<i>Aswathy</i>	<i>Aswathy</i>	<i>Aswathy</i>	<i>Aswathy</i>	<i>Aswathy</i>
3	Nimisha N	<i>Nimisha</i>	<i>Nimisha</i>	<i>Nimisha</i>	<i>Nimisha</i>	<i>Nimisha</i>	<i>Nimisha</i>	<i>Nimisha</i>
4	Vismaya V S	<i>Vismaya</i>	<i>Vismaya</i>	<i>Vismaya</i>	<i>Vismaya</i>	<i>Vismaya</i>	<i>Vismaya</i>	<i>Vismaya</i>

Glaxia Vaaghese *Glaxia*
Vavya. M.S *Vavya*

Anjali
Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



CARMEL COLLEGE, MALA
Department of Botany

M.Sc Botany
Remedial Teaching 2021- 2022

Tutor : Dr. Roby T J
Semester : First Semester
Paper -03 : *Angiosperm Anatomy, Angiosperm Embryology and Lab Techniques*

Attendance

Sl. No	Name	9/2/22	14/2/22	17/2/22	22/2/22	25/2/22	2/3/22	7/3/22
1	Anagha Aravind	Anagha	Anagha	Anagha	Anagha	Anagha	Anagha	Anagha
2	Arya Raj E R	Arya	Arya	Arya	Arya	Arya	Arya	Arya
3	Aswathy Vinod A V	Aswathy	Aswathy	Aswathy	Aswathy	Aswathy	Aswathy	Aswathy
4	Vavya M S	Vavya	Vavya	Vavya	Vavya	Vavya	Vavya	Vavya
5	Vismaya V S	Vismaya	Vismaya	Vismaya	Vismaya	Vismaya	Vismaya	Vismaya

Megha. V
~~Megha~~
Arya

Imathi

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



CARMEL COLLEGE, MALA
Department of Botany

M.Sc Botany
Remedial Teaching 2021- 2022

Tutor : Dr. Roby T J
Semester : First Semester
Paper -02 : *Mycology and Lichenology, Microbiology and Plant Pathology*

Attendance

Sl. No	Name	8/2/22	11/2/22	16/2/22	21/2/22	24/2/22	1/3/22
1	Ambili T V	<i>Ambili</i>	<i>Ambili</i>	<i>Ambili</i>	<i>Ambili</i>	<i>Ambili</i>	<i>Ambili</i>
2	Anagha Aravind	<i>Anagha</i>	<i>Anagha</i>	<i>Anagha</i>	<i>Anagha</i>	<i>Anagha</i>	<i>Anagha</i>
3	Vismaya V S	<i>Vismaya</i>	<i>Vismaya</i>	<i>Vismaya</i>	<i>Vismaya</i>	<i>Vismaya</i>	<i>Vismaya</i>

Sangeetha Jakk

Sangeetha

Amy Jayachandran

[Signature]

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732




Department of BOTANY

Remedial Teaching 2021– 2022

Semester : III Semester B.Sc Botany
 Teacher in charge : Dr Sinjumol Thomas
 Paper : Phycology, Bryology & Pteridology

SI No.	Name of the student	14/2/ 2022	15/2/ 2022	16/2/ 2022	17/2/ 2022	18/2/ 2022	21/2/ 2022	22/2/ 2022
1	TV Sreelakshmi	A	A	A	Sreelakshmi	Sreelakshmi	Sreelakshmi	Sreelakshmi
2	Sona Vijay	Sona	Sona	Sona	Sona	Sona	Sona	A
3	Pratheeksha T	Pratheeksha	Pratheeksha	A	Pratheeksha	Pratheeksha	Pratheeksha	Pratheeksha
4	Ajisha Santhosh	Ajisha	Ajisha	Ajisha	Ajisha	Ajisha	Ajisha	Ajisha
5	Ashli Balan C	Ashli	Ashli	Ashli	Ashli	Ashli	Ashli	Ashli
6	Nandana PS	Nandana	Nandana	Nandana	Nandana	Nandana	A	A
7	Nikitha TS	A	Nikitha	Nikitha	Nikitha	Nikitha	Nikitha	Nikitha
8	Sreelakshmi Santhosh	Sreelakshmi	Sreelakshmi	Sreelakshmi	Sreelakshmi	A	Sreelakshmi	Sreelakshmi
9	Nayana Silpa MT	Nayana	Nayana	Nayana	Nayana	Nayana	Nayana	Nayana




 Head
 Department of Botany
 Carmel College, Mala
 Thiruvananthapuram, Kerala - 680732

DEPARTMENT OF BOTANY

PEER TUTORING REPORT 2021-2022

III Sem PG

Paper: Biotechnology and Bioinformatics

Name of Teacher :Dr.Bindhu.K.B.

Name of Peer tutor: Haripriya. C.S

Peer learners:

Anjana Antony

Athira M.B

Mariya Hentry

Arabhi R

Athira V.V

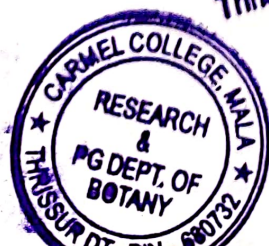
Session	Date	Topic covered	Absentees
1	11-10-2021	RAPD	-
2	12-11-2021	Chromosome walking	-
3	25-11-2021	DNA Sequencing	-
4	26-11-2021	PCR	-
5	29-11-2021	Organogenesis	-

No	Name	11-10-2021	12-11-2021	25-11-2021	26-11-2021	29-11-2021
1	Anjana Antony	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>	<i>Anjana</i>
2	Athira M.B	<i>Athira</i>	<i>Athira</i>	<i>Athira</i>	<i>Athira</i>	<i>Athira</i>
3	Mariya Hentry	<i>Mariya</i>	<i>Mariya</i>	<i>Mariya</i>	<i>Mariya</i>	<i>Mariya</i>
4	Arabhi R	<i>Arabhi</i>	<i>Arabhi</i>	<i>Arabhi</i>	<i>Arabhi</i>	<i>Arabhi</i>
5	Athira V.V	<i>AVV</i>	<i>AVV</i>	<i>AVV</i>	<i>AVV</i>	<i>AVV</i>

Name & signature of tutor: *Indle*

HOD: *Indle*

Head
Department of Botany
Carmel College, Mala
Thiruvananthapuram, Kerala - 680732



DEPARTMENT OF BOTANY

PEER TUTORING REPORT 2021-2021

IV Sem PG

Paper: Genetics and crop improvement

Name of Teacher :Dr.Bindhu.K.B.

Name of Peer tutor: Vishnupriya. C.S

Peer learners:

Anjana Antony

Athira M.B

Mariya Hentry

Arabhi R

Athira V.V

Session	Date	Topic covered	Absentees
1	10-1-2022	Genetics of Photosynthesis	-
2	11-1-2022	Seed certification	-
3	24-1-2022	Variety release	-
4	25-1-2022	Genetics of Nitrogen fixation	-
5	28-1-2022	Plant breeder's right	-.

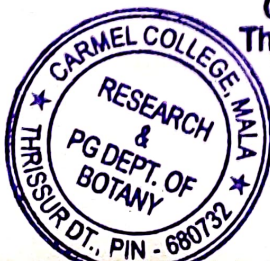
No	Name	10-1-2022	11-1-2022	24-1-2022	25-1-2022	28-1-2022
1	Anjana Antony	Anjana	Anjana	Anjana	Anjana	Anjana
2	Athira M.B	Athira	Athira	Athira	Athira	Athira
3	Mariya Hentry	Mariya	Mariya	Mariya	Mariya	Mariya
4	Arabhi R	Arabhi	Arabhi	Arabhi	Arabhi	Arabhi
5	Athira V.V	Athira	Athira	Athira	Athira	Athira

Name & signature of tutor:

HOD:


Head

Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



Department of BOTANY

Peer Tutoring 2021-2022

Teacher in charge : Dr. Dhanya Thomas T T

Semester : First Semester B Sc Botany


PAPER: Angiosperm Anatomy, Reproductive Botany & Palynology

Name of Peer tutor: Parvathy P, Asna V N, Anitt James

Peer learners:

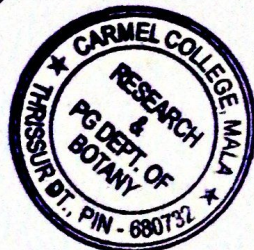
Devika Sadananadan
Soofiya Bhanu
Vrindha T Ramesh
Thrisha Krishna
Nimisha P S
Ahlia
Reema K J
Aswathi P A
Athulya Mohan
Gopika O G

Session	Date	Topic covered
1	06-12-2021	Special structures of cell walls
2	15-12-2021	Theory on Apical organization
3	04-01-2022	Quiescent centre
4	20-01-2022	Mature tissues
5	28-01-2022	Secondary growth
6	31-01-2022	Anomalous secondary growth

Name & signature of tutor: 

Dr. Dhanya Thomas T.T
Assistant Professor
Department of Botany
Carmel College, Mala, Thrissur

HOD: 



Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732

Department of BOTANY
Peer Tutoring 2021-2022

Teacher in charge : Dr. Dhanya Thomas T T

Semester : First Semester B Sc Botany

PAPER: Angiosperm Anatomy, Reproductive Botany & Palynology

Name of Peer tutor:

- 06-12-2021- Parvathy P *Parvathy P*
- 15-12-2021-Parvathy P *Parvathy P*
- 04-01-2022- Asna V N *Asna V N*
- 20-01-2022- Asna V N *Asna V N*
- 28-01-2022-Anitt James *Anitt James*
- 31-01-2022-Anitt James *Anitt James*

No	Name	06/12/2021	15/12/2021	04/01/2022	20/01/2022	28/01/2022	31/01/2022
1	Devika Sadananadan	<i>Devika</i>	<i>Devika</i>	<i>Devika</i>	<i>Devika</i>	<i>Devika</i>	<i>Devika</i>
2	Soofiya Bhanu	<i>Soofiya</i>	<i>A</i>	<i>Soofiya</i>	<i>A</i>	<i>Soofiya</i>	<i>Soofiya</i>
3	Vrindha T Ramesh	<i>Vrindha</i>	<i>Vrindha</i>	<i>Vrindha</i>	<i>Vrindha</i>	<i>Vrindha</i>	<i>Vrindha</i>
4	Thrisha Krishna	<i>Thrisha</i>	<i>A</i>	<i>Thrisha</i>	<i>A</i>	<i>Thrisha</i>	<i>Thrisha</i>
5	Nimisha P S	<i>Nimisha</i>	<i>A</i>	<i>A</i>	<i>Nimisha</i>	<i>Nimisha</i>	<i>Nimisha</i>
6	Ahlia	<i>Ahlia</i>	<i>Ahlia</i>	<i>Ahlia</i>	<i>A</i>	<i>Ahlia</i>	<i>Ahlia</i>
7	Reema K J	<i>Reema</i>	<i>Reema</i>	<i>Reema</i>	<i>A</i>	<i>Reema</i>	<i>Reema</i>
8	Aswathi P A	<i>Aswathi</i>	<i>Aswathi</i>	<i>Aswathi</i>	<i>Aswathi</i>	<i>Aswathi</i>	<i>Aswathi</i>
9	Athulya Mohan	<i>Athulya</i>	<i>A</i>	<i>Athulya</i>	<i>A</i>	<i>Athulya</i>	<i>Athulya</i>
10	Gopika O G	<i>Gopika</i>	<i>A</i>	<i>Gopika</i>	<i>Gopika</i>	<i>Gopika</i>	<i>Gopika</i>

Name & signature of tutor: *[Signature]*

Dr. Dhanya Thomas T.T
Assistant Professor
Department of Botany
Carmel College, Mala, Thrissur

HOD *[Signature]*



Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 687732

Department of Botany



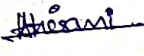
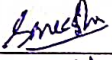
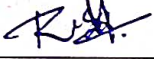

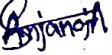

Carmel College Mala

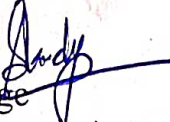
Peer Tutoring - 2021 - 2022


Name of Peer Tutor : Asulathy V. P

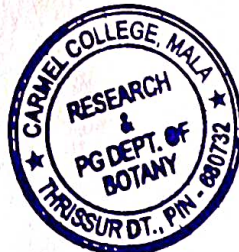
Topic : Leaf modification (5th semester)

Date.: 5/10/2021

Sl. No	Name of student	Signature
1	Asulami P.K	
2	Audra M.A	
3	Abhirami M.V	
4	Sandsha P.S	
5	Soorya R	
6	Sisira Shaji	
7	Anjana T.S	
8	Anjali ER	

Teacher in Charge

Dr. Sr. Kochuthressia K.P

Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732


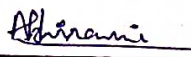

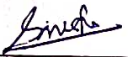
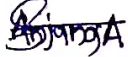


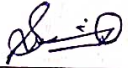


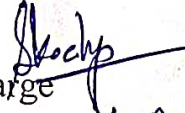
Department of Botany
Carmel College Mala
Peer Tutoring - 2021 - 2022


Name of Peer Tutor : Anjana U.J.

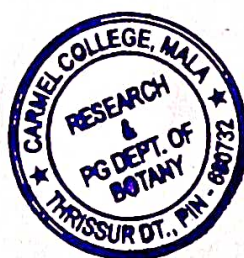
Topic : Fruits

Date. : 12/10/2021

Sl. No	Name of student	Signature
1	Angali E.R.	
2	Abhirami M.V	
3	Soorya .R	
4	Saneesha P.s.	
5	Anjana T.s.	
6	Ardra M.A.	
7	Aswani P.k.	
8	Sisira Shaji	


Teacher in Charge
Dr. Sr. Kochuthressia .K.P


Head of the Department
Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



Department of Botany

Carmel College Mala

Peer Tutoring - 2021 - 2022

Name of Peer Tutor : Arya Gopi

Topic : special type of inflorescence. (5th sem)

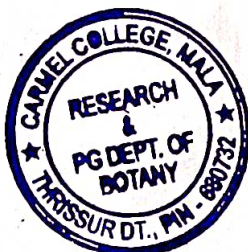
Date : 13/10/2021

Sl. No	Name of student	Signature
1	Abhirami M.V.	
2	Soorya R.	
3	Aradra M.A.	
4	Anjali ER.	
5	Saneesha P.S.	
6	Anjana T.S	
7	Aswani P.K.	
8	Sisira shaji	

Teacher in Charge
Dr. Sr. Kochuthressia K.P

Head of the Department

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



Department of Botany

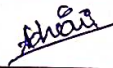

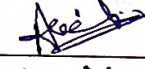
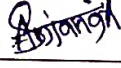
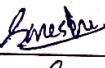



Carmel College Mala


Peer Tutoring - 20.21 - 20.22


Name of Peer Tutor : Megha Mukundan

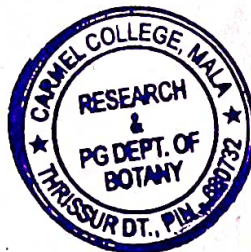
Topic : Racemose inflorescence (5th semester)

Date : 13/10/2021

Sl. No	Name of student	Signature
1.	Abhirami M.V	
2.	Anjali E.R	
3.	Aswani P.K	
4.	Anjana T.S	
5.	Saneesha P.S	
6.	Sisira shaji	
7.	Soorya R	
8.	Aradra M.A	


Teacher in Charge
Dr. Sr. Kochuthressu. K.P


Head of the Department
Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



Department of Botany

Carmel College Mala

Peer Tutoring - 20.21 - 20.22

Name of Peer Tutor.: *Alga Ouseph*

Topic: *Garden tools. (5th)*

Date.: *5/10/2021*

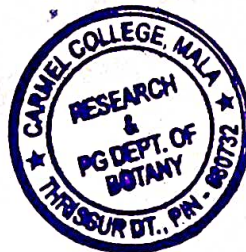
Sl. No	Name of student	Signature
1	<i>Adora M A</i>	<i>Adora</i>
2	<i>Abhirami M V</i>	<i>Abhirami</i>
3	<i>Aswani P K</i>	<i>Aswani</i>
4	<i>Anjali E R</i>	<i>Anjali</i>
5	<i>Anjana T S</i>	<i>Anjana</i>
6	<i>Saneetha P S</i>	<i>Saneetha</i>
7	<i>Soomya R</i>	<i>Soomya</i>
8	<i>Sisira shaji</i>	<i>Sisira</i>

Teacher in Charge

Dr. Sr. Kochuthresser K.P

Head of the Department

Head
Department of Botany
Carmel College, Mala
Thirissur, Kerala - 680732




CARMEL COLLEGE, MALA
Department Of Botany

M.Sc Botany
Peer Tutoring 2021-2022

Teacher in charge : Dr. Roby T J
Semester : First Semester
Paper - 01 : *Phycology, Bryology. Pteridology and Gymnosperms*
Name of the Peer : *Gloria Varghese*
Tutors : *Vavya M S*
Peer Learners : 1. *Ambili T V*
2. *Aswathy Vinod A V*
3. *Nimisha N*
4. *Vismaya VS*

Session	Date	Topic covered	Absentees
1	7/2/2022	<i>General account of fossil Bryophytes and their affinities</i>	All present
2	10/2/2022	<i>Origin and evolution of Bryophytes-gametophytic and sporophytic</i>	All present
3	3/3/2022 15/2/2022	<i>General account of the anatomy, reproduction, life history and phylogeny of Sphaerocarpaceae</i>	All present
4	18/2/2022	<i>Phylogenetic relationship of Gymnosperms</i>	All present
5	23/2/2022	<i>Geological time scale and correlated predominant Gymnosperm flora</i>	All present
6	28/2/22	<i>Economic importance of Gymnosperms</i>	All present


Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



CARMEL COLLEGE, MALA
Department Of Botany

M.Sc Botany
Peer Tutoring 2021-2022

Teacher in charge : Dr. Roby T J
Semester : First Semester
Paper - 02 : *Mycology and Lichenology, Microbiology and Plant Pathology*
Name of the Peer : *Amy Jayachandran*
Tutors : *Sangeetha Jaik*
Peer Learners : 1. *Ambili T V*
2. *Anagha Aravind*
3. *Vismaya V S*

Session	Date	Topic covered	Absentees
1	8/2/22	<i>Classification of fungi by Ainsworth & Bisby (1983), Alexopoulos et al. (1996)</i>	All present
2	11/2/22	<i>ecological significance and economic importance of lichens.</i>	All present
3	16/2/22	<i>Plasmids and their characterization</i>	All present
4	21/2/22	<i>Industrial Microbiology - Production of alcohol, vinegar, antibiotics, vitamins, steroids, vaccines, organic acids, amino acids</i>	All present
5	24/2/22	<i>Host- parasite interaction. Enzymes and toxins in pathogenesis</i>	All present
6	1/3/22	<i>Different pesticides and fungicides and their application. Biocides in plant protection.</i>	All present.

Amal

Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732




CARMEL COLLEGE, MALA
Department Of Botany

M.Sc Botany
Peer Tutoring 2021 - 2022

Teacher in charge : Dr. Roby T J
Semester : First Semester
Paper - 03 : *Angiosperm Anatomy, Angiosperm Embryology and Lab Techniques*
Name of the Peer Tutors : Ancy Varghese
Megha V
Peer Learners : 1. Anagha Aravind
2. Arya Raj E R
3. Aswathy Vinod A V
4. Vavya MS
5. Vismaya VS

Session	Date	Topic covered	Absentees
1	9/2/22	Chemistry of cell wall- cellulose, hemicellulose, polysaccharides	All Present
2	14/2/22	Secondary wall chemical constituents- lignin, suberin, callose; organisation of secondary wall.	All Present
3	17/2/22	Polyembryony - classification - practical value.	All Present
4	22/2/22	Parthenocarpy -seedless fruits	All Present
5	25/2/22, 2/3/22	Fixatives - FAA, Carnoy's fluid, chrome acetic, Nawaschins fluid, Craff, Flemings- composition, preparation and specific uses	All Present
6	7/3/22	Aero-palynology- methods of aerospore survey and analysis	All Present


Head
Department of Botany
Carmel College, Mala
Thrissur, Kerala - 680732



Department of BOTANY

Peer Tutoring 2021– 2022

Semester : Third Semester B Sc Botany
Teacher in charge : Dr. Sinjumol Thomas
Paper : Phycology, Bryology & Pteridology

Name of the Peer Tutors:

Jyothika Sidharthan
Roshni C Venu

Femi Wilson
Megha Saji

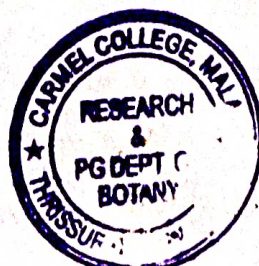
Peer Learners:


TV Sreelakshmi
Sona Vijay
Pratheeksha T
Ajisha Santhosh
Ashli Balan C

Nandana PS
Nikitha TS
Sreelakshmi Santhosh
Nayana Silpa MT

Topics covered:

Session	Date	Topic covered
1	7/1/2022	Reproduction in Bryophytes
2	10/1/2022	Life cycle of Bryophytes
3	11/1/2022	Polysiphonia
4	12/1/2022	Sargassum reproduction
5	13/1/2022	Stelar evolution
6	17/1/2022	Heterospory and seed habit




Head
Department of Botany
Carmel College, Mala
Thiruvananthapuram, Kerala - 680732

Department of BOTANY

Peer Tutoring 2021– 2022

Semester : Third Semester B Sc Botany
 Teacher in charge : Dr. Sinjumol Thomas
 Paper : Phycology, Bryology & Pteridology

Name of the Peer Tutors:

7/1/2022- Jyothika Sidharthan Jyothika
 10/1/2022- Jyothika Sidharthan Jyothika
 11/1/2022- Femi Wilson Femi
 12/1/2022- Megha Saji Megha
 13/1/2022- Roshni C Venu Roshni
 17/1/2022- Roshni C Venu Roshni

Attendance details

SI NO	Name of the student	7/1/2022	10/1/2022	11/1/2022	12/1/2022	13/1/2022	17/1/2022
1	TV Sreelakshmi	A	<u>A</u>	<u>A</u>	A	A	<u>A</u>
2	Sona Vijay	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	A
3	Pratheeksha T	<u>Pratheeksha</u>	<u>Pratheeksha</u>	<u>Pratheeksha</u>	<u>Pratheeksha</u>	<u>Pratheeksha</u>	<u>Pratheeksha</u>
4	Ajisha Santhosh	A	A	A	A	A	A
5	Ashli Balan C	<u>Ashli</u>	<u>Ashli</u>	<u>Ashli</u>	A	A	<u>Ashli</u>
6	Nandana PS	<u>Nandana</u>	<u>Nandana</u>	<u>Nandana</u>	<u>Nandana</u>	<u>Nandana</u>	<u>Nandana</u>
7	Nikitha TS	A	A	A	<u>Nikitha</u>	<u>Nikitha</u>	<u>Nikitha</u>
8	Sreelakshmi Santhosh	A	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	A
9	Nayana Silpa MT	<u>Nayana</u>	<u>Nayana</u>	<u>Nayana</u>	<u>Nayana</u>	<u>Nayana</u>	<u>Nayana</u>



Head
 Department of Botany
 Carmel College, Mala
 Thiruvananthapuram, Kerala - 680732

UNIVERSITY OF CALICUT

CARMEL COLLEGE, MALA THRISSUR

INTERNAL CONSOLIDATED REPORT - Semester : 2 (04/2021)

B.Sc CHEMISTRY

03/30/2022 08:02:16 AM

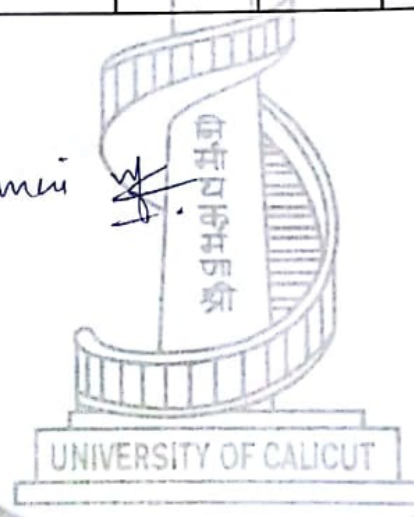
Sl.no	Regno & Name	ENG2A03 WRITING FOR ACADEMIC AND PROFESSIONAL SUCCESS	ENG2A04 ZEITGEIST - READINGS ON CONTEMPORARY CULTURE	HIN 2A 08(1) GRAMMAR AND TRANSLATION	MAL2A08(1) MALAYALA SAHITHYAM 2	CHE2B02 THEORETICAL AND INORGANIC CHEMISTRY- II	MTS2C02 MATHEMATICS-2	PHY2C02 OPTICS, LASER, ELECTRONICS
1	CRAUSCH001 ABHINASREE ANAND	19	20	20	---	15	15	15
2	CRAUSCH002 ABIYA P J	19	18	20	---	14	15	15
3	CRAUSCH003 AINA BABU	19	19	20	---	15	14	15
4	CRAUSCH004 ALEENA LOWRANCE	19	19	20	---	14	15	15
5	CRAUSCH005 ANUPAMA BIJU	19	19	20	---	14	15	15
6	CRAUSCH006 IJJIA P S	17	18	20	---	15	15	14
7	CRAUSCH007 MILU THOMAS	19	19	20	---	15	15	15
8	CRAUSCH008 NIVEDYA T K	20	19	20	---	15	14	15
9	CRAUSCH009 SANDHRA SANTHOSH K	18	18	20	---	15	14	15
10	CRAUSCH010 SREETHA K A	19	19	20	---	15	15	15
11	CRAUSCH011 ADITHYA P A	17	18	---	20	14	14	14
12	CRAUSCH012 AFEHA PARVIN K A	17	18	---	19	15	14	14
13	CRAUSCH013 AGNES E J	17	18	---	20	15	15	14
14	CRAUSCH014 ANABEL ELIZABETH JJI	18	18	---	19	15	15	15
15	CRAUSCH015 ANGEL MARIYA BENNY	19	20	---	20	15	15	15
16	CRAUSCH016 ANJALI KRISHNA K	17	19	---	19	15	15	14
17	CRAUSCH017 ARYA K S	20	19	---	20	15	15	14
18	CRAUSCH018 ARYA T T	20	19	---	20	15	15	15
19	CRAUSCH019 DELNA JOSEPH	20	19	---	20	15	15	15

20	CRAUSCH020 DONIYA DAVIS	20	20	---	19	15	15	14
21	CRAUSCH021 EMILY MANOJ	17	18	---	17	14	15	12
22	CRAUSCH022 HENET BABU	20	20	---	20	15	15	15
23	CRAUSCH023 KRISHNAPRIYA M	20	19	---	20	15	15	15
24	CRAUSCH024 MANJIMA	20	18	---	20	15	15	15
25	CRAUSCH025 MUNA ABDUL AZEEZ R K	18	18	---	17	14	15	14
26	CRAUSCH026 NIKHILA SIBY	18	18	---	18	15	15	15
27	CRAUSCH027 POOJA P S	20	20	---	20	15	15	15
28	CRAUSCH028 SALMIYA ANSAR CHUNDEKKAD	18	17	---	20	15	15	14
29	CRAUSCH029 VISHNUPRIYA THAMBI S	17	17	---	18	14	14	14
30	CRAUSCH030 VISMAYA P	19	17	---	18	15	15	15

[Handwritten signatures and initials on the right margin, including names like 'Emilia', 'Manjima', 'Muna', 'Nikhila', 'Pooja', 'Salmiya', 'Vishnu', and 'Vismaya']

Dr. Vidyas Francis

Princy K. A R
H-O-D.



6th sem consolidated internal marks 2021-22

Reg.NO	Name	Nuclear Physics	Statistical Physics	Astrophysics	Thermodynamic	Microprocessor	Signature
CRATSAP013	Akshaya KS	12	11	12	10	12	Akshaya
CRATSAP001	Amrutha Joshy	14	12	12	12	12	Amrutha
CRATSAP002	Athira Babu	14	13	13	14	14	Athira
CRATSAP003	Athira Manoj	14	14	14	14	15	Athira
CRATSAP015	Gopika Mohan	15	15	14	15	15	Gopika
	Hridhya Rajan	14	13	13	13	13	Hridhya
CRATSAP005	Meenakshy TP	14	13	14	13	13	Meenakshy
CRATSAP007	Nandana P	14	13	13	13	14	Nandana
	Riya KJ	12	12	10	11	12	Riya
CRATSAP008	Saranya NB	15	14	15	14	15	Saranya
CRATSAP009	Sneha Suresh	15	13	14	15	15	Sneha
CRATSAP017	Snehanjali Johnson	12	12	10	13	12	Snehanjali
CRATSAP010	Sreelakshmi KS	12	10	10	10	12	Sreelakshmi
CRATSAP011	Stemil Sebastian	14	13	12	12	15	Stemil
CRATSAP012	Swathi NS	15	13	14	15	15	Swathi



H. D.
PHYSICS DEPT.
CARMEL COLLEGE
MALA

Department of Physics, Carmel College, Mala

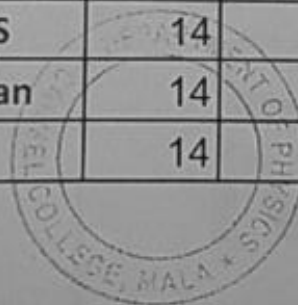
III Sem Consolidated Internal Marks , Batch 2021-24

SL NO	Student Name	Electrodynamics	Python	Sensors	Computer Science	Mathematics	Signature
1	NITHYAMOL KS	12	9	10	10	10	<i>[Signature]</i>
2	JASMIN THOMAS	15	15	15	15	15	<i>[Signature]</i>
3	GOPIKA SURESH	13	15	12	13	15	<i>[Signature]</i>
4	FATHIMA PS	12	12.5	13	10	10	<i>[Signature]</i>
5	AMINA HANNATH	12	11	12	10	10	<i>[Signature]</i>
6	MARY ALINA	12	12.5	13	11	10	<i>[Signature]</i>
7	SAJNA KM	12.5	12.5	13	10	10	<i>[Signature]</i>
8	ANITTA JOY	14.5	14.5	14.5	13	14	<i>[Signature]</i>
9	ANNA PA	15	14	15	13	14	<i>[Signature]</i>
10	SINSHA SASI	12	12	14	14	12	<i>[Signature]</i>
11	DHANALAKSHMI PD	12	9	10	10	10	<i>[Signature]</i>
12	ALEENA JOHN	14	12	14	13	15	<i>[Signature]</i>
13	ANJANA SHAJI	15	14	14	14	14	<i>[Signature]</i>
14	KRISHNAVENI TS	15	14.5	15	14	14	<i>[Signature]</i>
15	NIKHITA MARIYA KS	12.5	9	11	10	10	<i>[Signature]</i>
16	ANJALI SHEKHAR	15	13.5	14	12	11	<i>[Signature]</i>
17	SANA SIDDIQUE	12	9	12	10	11	<i>[Signature]</i>
18	ADITHYA ER	13	13	14	12	13	<i>[Signature]</i>



CONSOLIDATED 5 SEM INTERNAL 2021-22

Reg.NO	Name	QM	COMPL	OPTICS	ELECT	OPEN C	SIGNATURE
CRATSAP013	Akshaya KS	12	12	13	14	14	<i>Akshaya</i>
CRATSAP001	Amrutha Joshy	13	12	11	13	13	<i>Amrutha</i>
CRATSAP002	Athira Babu	14	14	14	15	15	<i>Athira</i>
CRATSAP003	Athira Manoj	14	15	14	15	15	<i>Athira</i>
CRATSAP015	Gopika Mohan	15	15	14	15	15	<i>Gopika</i>
CRATSAP004	Hridhya Rajan	14	15	12	14	12	<i>Hridhya</i>
CRATSAP005	Meenakshy TP	14	14	12	15	15	<i>Meenakshy</i>
CRATSAP006	Minnath Mithilaj	0		4	7.5		
CRATSAP007	Nandana P	14	13	14	15	15	<i>Nandana</i>
CRATSAP016	Riya KJ	12	13	12	14	12	<i>Riya</i>
CRATSAP008	Saranya NB	15	14	13	15	15	<i>Saranya</i>
CRATSAP009	Sneha Suresh	14	14	12	15	15	<i>Sneha</i>
CRATSAP017	Snehanjali Johnson	13	13	12	13	14	<i>Sneha</i>
CRATSAP010	Sreelakshmi KS	14	13	13	14	14	<i>Sreelakshmi</i>
CRATSAP011	Stemil Sebastian	14	15	14	15	15	<i>Stemil</i>
CRATSAP012	Swathi NS	14	15	14	15	15	<i>Swathi</i>



Swathi

GREAT EL FRANCIS PAREMEL
ASST. PROFESSOR
DEPT. OF PHYSICS
CARMEL COLLEGE, MALA

UNIVERSITY OF CALICUT

CARMEL COLLEGE, MALA THRISSUR

INTERNAL CONSOLIDATED REPORT - Semester : 5 (11/2021)

B.Sc CHEMISTRY

03/03/2022 07:54:54 AM

Sl.no	Regno & Name	CHE5B06 INORGANIC CHEMISTRY-III	CHE5B07 ORGANIC CHEMISTRY-II	CHE5B08 PHYSICAL CHEMISTRY-II	APH 5D01 (1) NON CONVENTIONAL ENERGY SOURCES	BCM5D03 BASIC ACCOUNTING	BOT5D03T BASIC TISSUE CULTURE	FEN5D02 LANGUAGE FOR ADVERTISING:THEORY & PRACTICE	MTS5 D04 MATHEMATICS FOR DECISION MAKING	ZOL5D01T REPRODUCTIVE HEALTH AND SEX EDUCATION
1	CRATSC001 ALENDA JOY	15	15	14	---	---	---	---	---	14
2	CRATSC002 ALNA ROSE P R	14	14	11	---	15	---	---	---	---
3	CRATSC003 AMRUTHA S NAIR N	15	15	15	14	---	---	---	---	---
4	CRATSC004 ANEENA THASNEEM T N	15	15	14	---	---	---	---	---	13
5	CRATSC005 ANUPAMA T G	12	11	11	---	---	14	---	---	---
6	CRATSC006 ASWATHY M G	15	15	13	---	---	---	---	14	---
7	CRATSC007 DIYA ROSE DAVIS	15	15	14	14	---	---	---	---	---
8	CRATSC008 HRIDYA C R	14	15	15	---	---	---	---	---	14
9	CRATSC009 JIGITHA SAJAN	15	14	14	---	---	12	---	---	---
10	CRATSC010 MARY SANDRA P J	15	15	15	---	---	---	---	---	14
11	CRATSC011 SONA ANTONY	15	15	14	15	---	---	---	---	---
12	CRATSC012 THASLEEMA N S	15	15	14	---	---	---	---	---	14
13	CRATSC013 VYSHNAVI KARTHA	14	14	13	---	---	---	14	---	---
14	CRATSC014 AMRITHA SURESH	15	14	14	---	---	---	---	---	14
15	CRATSC015 FARSANA THAJUDEEN	15	15	14	---	---	---	---	---	14
16	CRATSC016 HIMALAKSHMI V S	14	14	13	14	---	---	---	---	---
17	CRATSC017 MEGHNA S MOHAN	15	14	14	---	---	---	---	---	14
18	CRATSC018 N S KUNJILAKSHMI	15	15	14	---	---	---	---	---	14
19	CRATSC019 PHILO AMALA ANTONY	15	15	14	---	---	---	---	---	13
20	CRATSC021 VYSHNAVI C C	15	15	12	---	---	---	---	---	13

Handwritten signatures and initials in the right margin of the table, corresponding to each student's row.

Princy K.A.R
H.O.D.

CARMEL COLLEGE

MALA



TEACHERS DIARY

20.....20.....

TEACHER'S DIARY

PERSONAL INFORMATION

NAME :

QUALIFICATION :

ACADEMIC :

OTHER :

DESIGNATION :

DEPARTMENT :

AREA OF SPECIALIZATION :

HONOURS CONFERRED :

RESIDENTIAL ADDRESS :

Phone No :

E -Mail :

Statement of Work

Day	Month	Date	Period	Classes engaged	Subject/Topic discussed	Remarks
Monday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Tuesday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Wednesday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Thursday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Friday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities						

Signature of Faculty

Statement of Work

Day	Month	Date	Period	Classes engaged	Subject/Topic discussed	Remarks
Monday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Tuesday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Wednesday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Thursday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Friday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities						

Signature of Faculty

Statement of Work

Day	Month	Date	Period	Classes engaged	Subject/Topic discussed	Remarks
Monday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Tuesday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Wednesday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Thursday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities			Time			
Friday			1			
			2			
			3			
			4			
			5			
Special Class/Remedial Class/ Club Activities						

Signature of Faculty

TUTOR OF(CLASS)

Sl. No.	Name of the student	Class

DETAILS OF LEAVE TAKEN

Date	Day	Nature of Leave	Total Leave Taken so far

MEETING ATTENDED

(Staff Meeting, P.T.A. Meeting, Committee etc.)

Date	Nature of Meeting	Purpose	Duration

SEMINARS/WORKSHOPS ATTENDED

Date	Resource	Venue	Topic

VALUATION OF ANSWER SCRIPT

University Level				College Level		
Name of exam	Subject	No.of Answer Script	Nature of Examinership	Name of Exam.	Subject/ Duration	No.of Papers