

PHYSICS PROJECT
ON
"A COMPARITIVE STUDY ON THE CLEANSING POWER OF VARIOUS
DETERGENT SOLUTIONS "

Submitted in partial fulfilment of the requirements for the award of the degree of

B.SC APPLIED PHYSICS
OF
UNIVERSITY OF CALICUT

BY

AISWARYA M.A (REG.NO. CRARSAP002)
BETSY BABY NALUKANDAN (REG.NO. CRARSAP010)
HAMDA MEHNAS K. S (REG.NO. CRARSAP015)
VINCY BABU (REG. NO. CRARSAP021)
SOJA K.S (REG.NO. CRARSAP035)

Under the guidance of

Ms. MARIA MOOKKEN



CARMEL COLLEGE MALA, THRISSUR, 2019-2020

CARMEL COLLEGE

MALA-680732



DEPARTEMENT OF PHYSICS

CERTIFICATE

This is to certify that project report titled "A COMPARITIVE STUDY ON THE CLEANSING POWER OF VARIOUS DETERGENT SOLUTIONS" was carried out by the following sixth semester students of BSc.Applied physics in partial fulfillment of requirement for the award of the degree in Applied Physics during the year 2019-2020 under the guidance of department of physics Carmel college Mala.

The Name and Reg. No. of submitters :

Aiswarya M.A (CRARSAP002)

Betsy Baby Nalukandan (CRARSAP010)

Hamda Mehnas K. S (CRARSAP015)

Vincy Babu (CRARSAP021)

Soja K.S (CRARSAP035)



EXTERNAL EXAMINERS :

Place : MALA

Date : 20-3-2020

GUIDE

Ms .Maria Mookken

PHYSICS PROJECT

ON

"IMPORTANCE OF SURFACE TENSION IN MEDICATION"

Submitted in partial fulfilment of the requirements for the award of the degree of

B.SC APPLIED PHYSICS

OF

UNIVERSITY OF CALICUT

BY

AISWARYA P D (CRARSAP003)

ATHIRA P (CRARSAPO25)

ATHIRA RAJAN (CRARSAP026)

NANDHANA SHABU (CRARSAP018)

Under the guidance of

Ms. NITHYA P



CARMEL COLLEGE

MALA, THRISSUR

2017-2020

CARMEL COLLEGE

MALA -680732



DEPARTMENT OF PHYSICS

CERTIFICATE

This is to certify that this project report titled " IMPORTANCE OF SURFACE TENSION IN MEDICATION" , was carried out by the following sixth semester students of B.Sc. Applied Physics in practical fulfilment of the requirement for the award of the degree in applied Applied Physics during the year 2017-2020 under the guidance of the department of Physics , Carmel College , Mala.

The Reg. No. And name of submitters:

1. CRARSAP003 AISWARYA P.D
2. CRARSAP018 NANDHANA SHABU
3. CRARSAP025 ATHIRA P
4. CRARSAP026 ATHIRA RAJAN



External Examiners:

GUIDE: *Nip*

Ms. Nithya P.

NITHYA P.
ASST. PROFESSOR
DEPT. OF PHYSICS
CARMEL COLLEGE, MALA

Place : *Mala*

Date : *20/03/2020*

CARMEL COLLEGE

MALA-680732



DEPARTEMENT OF PHYSICS

CERTIFICATE

This is to certify that project report titled **"STUDY ON THERMAL CONDUCTIVITY OF MATERIALS USED FOR BUILDING PURPOSE USING LEES DISC METHOD"** was carried out by the following sixth semester students of BSc.Applied physics in partial fulfillment of requirement for the award of the degree in Applied Physics during the year 2019-2020 under the guidance of department of physics Carmel college Mala.

The Reg.No and name of submitters :

Amrutha A .Nair(CRARSAP004)

Archa Bibin (CRARSAP022)

Lakshmi P.B(CRARSAP030)

Megha P.M(CRARSAP016)

Thanseela A.A(CRARSAP020)

EXTERNAL EXAMINERS :

Place : Mala

Date : 20-03-2020

GUIDE

Ms.Greatel Francis Paremél

DECLARATION

We Amrutha A nair, Archa Bibin, Lakshmi P B, Megha P M, Thanseela A A sixth semester BSC Applied Physics students of Carmel College Mala hereby declare that the project report titled "**STUDY ON THERMAL CONDUCTIVITY OF MATERIALS USED FOR BUILDING PURPOSE USING LEE'S DISC METHOD**" is a bonafide record of workdone by us in partial fulfilment of the requirement for the award of the degree BSC Applied Physics of the calicut university , under the supervision and guidance of the department of physics.

Place: Mala

Date: 20-03-2020

AMRUTHA A NAIR

ARCHA BIBIN

LAKSHMI PB

MEGHA PM

THANSEELA A A

PHYSICS PROJECT

ON

**"TO STUDY THE ABSORPTION SPECTRA OF
POTASSIUM PERMANGANATE SOLUTION AND ITS
DEPENDENCE ON TEMPERATURE"**

Submitted in partial fulfilment of the requirements for the award of the degree of

B.SC APPLIED PHYSICS

OF

UNIVERSITY OF CALICUT

BY

AMRUTHA M S (REG NO. CRARSAP005)

ANAGHA AJAYAN (REG NO. CRARSAP006)

GOPIKA M J (REG NO. CRARSAP014)

RAMEESA M T (REG NO. CRARSAP033)

SALINI K S (REG NO. CRARSAP034)

Under the guidance of

Ms. GREATEL FRANCIS PAREMEL



CARMEL COLLEGE

MALA, THRISSUR

2017-2020

CARMEL COLLEGE

MALA - 680732



DEPARTMENT OF PHYSICS

CERTIFICATE

This is to certify that project report titled "TO STUDY THE ABSORPTION SPECTRA OF POTASSIUM PERMANGANATE SOLUTION AND ITS DEPENDENCE ON TEMPERATURE" was carried out by the following sixth semester students of Bsc Applied Physics in partial fulfilment of the requirement for the award of the degree in Applied Physics during the year 2019 – 2020 under guidance of the department of physics, Carmel college, Mala.

The Register number and Name of submitters :

Reg No.CRARSAP005 - Amrutha M S

Reg No.CRARSAP006 - Anagha Ajayan

Reg No.CRARSAP014 - Gopika M

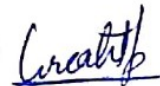
Reg No.CRARSAP033 - Rameesa M

Reg No.CRARSAP034 - Salini K S



External Examiners :

Guide



Ms. Greetel Francis Paremél

Place: MALA

Date: 13 - 03 - 2020

PHYSICS PROJECT

ON

**“DEPENDENCE OF TEMPERATURE ON V-I CHARACTERISTICS OF
SEMICONDUCTOR DIODES”**

Submitted in partial fulfilment of the requirements for the award of the degree of

B.SC APPLIED PHYSICS

OF

UNIVERSITY OF CALICUT

BY

ANJALI KRISHNA (REG.NO. CRARSAP007)

GAYATHRI K .S (REG.NO. CRARSAP013)

NANDHANA K.S (REG.NO. CRARSAP017)

RESHMA C MENON (REG. NO. CRARSAP019)

GYABY SHAJU (REG.NO. CRARSAP029)

Under the guidance of

Ms. NITHYA P.



CARMEL COLLEGE

MALA, THRISSUR

2017-2020

CARMEL COLLEGE

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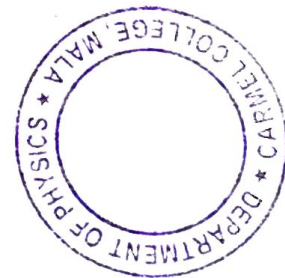
DEPARTMENT OF PHYSICS

CERTIFICATE

This is to certify that this project report titled "DEPENDENCE OF TEMPERATURE ON V-I CHARACTERISTICS OF SEMICONDUCTOR DIODES", was carried out by the following sixth semester students of B.Sc. Applied Physics in practical fulfilment of the requirement for the award of the degree in applied Applied Physics during the year 2017-2020 under the guidance of the department of Physics, Carmel College, Mala.

The Reg. No. And name of submitters:

1. CRARSAP007 ANJALI KRISHNA
2. CRARSAP013 GAYATHRI K.S
3. CRARSAP017 NANDHANA K.S
4. CRARSAP019 RESHMA C MENON
5. CRARSAP029 GYABY SHAJU



External Examiners:

GUIDE:

Nithya P.

Ms. Nithya P.

Place :

Date :

NITHYA P.
ASST. PROFESSOR
DEPT. OF PHYSICS
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PHYSICS PROJECT

ON

**"STUDY ON THE VARIATION OF REFRACTIVE
INDEX AND POLARISABILITY OF SOLUTIONS
WITH CONCENTRATION"**

Submitted in partial fulfilment of the requirements for the award of the degree of

B.SC APPLIED PHYSICS

OF

UNIVERSITY OF CALICUT

BY

ANJALI P.S (REG.NO. CRARSAP008)

ASWATHI SIVARAJ (REG.NO.CRARSAP023)

GREESHMA K.S (REG.NO. CRARSAP028)

VINDYA N.S (REG.NO. CRARSAP036)

Under the guidance of

Ms. MARIA MOOKKEN



CARMEL COLLEGE

MALA, THRISSUR

2017-2020

CARMEL COLLEGE

MALA - 680732



DEPARTMENT OF PHYSICS

CERTIFICATE

This is to certify that this project report titled, "**STUDY ON THE VARIATION OF REFRACTIVE INDEX AND POLARISABILITY OF SOLUTIONS WITH CONCENTRATION**" was carried out by the following sixth semester students of Bsc Applied physics in partial fulfilment of the requirement for the award of the degree in Applied physics during the year 2019-2020 under the guidance of Ms. Maria Mookan, Assistant professor, department of Applied physics, Carmel College, Mala.

The Register number and name of submitters are:

1. ANJALI P.S -CRARSAP008
2. ASWATHI SIVARAJ -CRARSAP023
3. GREESHMA K.S -CRARSAP028
4. VINDYA N.S -CRARSAP036



External Examiners :

Guide

Ms. MARIA MOOKKEN

Place: Mala

Date: 20/3/2020

PHYSICS PROJECT

ON

***"COMPARITIVE STUDY ON WATER PURITY OF
DIFFERENT SAMPLES"***

Submitted in partial fulfilment of the requirements for the award of the degree of

B.SC APPLIED PHYSICS

OF

UNIVERSITY OF CALICUT

BY

AISHA SHAJI (REG NO. CRARSAP001)

ANJANA JOHNSON (REG NO. CRARSAP009)

DEVI LAL (REG NO. CRARSAP011)

ATHIRA N.A (REG NO. CRARSAP024)

Under the guidance of

Ms. SUPARNNA UNNI E



CARMEL COLLEGE

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2017-2020

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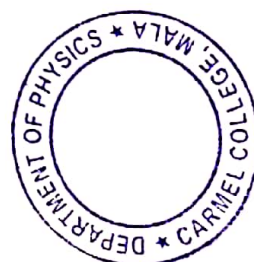
DEPARTEMENT OF PHYSICS

CERTIFICATE

This is to certify that project report titled "**COMPARITIVE STUDY ON WATER PURITY OF DIFFERENT SAMPLES**" was carried out by the following sixth semester students of BSc.Applied physics in partial fulfillment of requirement for the award of the degree in Applied Physics during the year 2019-2020 under the guidance of department of physics Carmel college Mala.

The Reg.No and name of submitters :

1. CRARSAP001 AISHA SHAJI
2. CRARSAP009 ANJANA JOHNSON
3. CRARSAP011 DEVI LAL
4. CRARSAP024 ATHIRA N.A



External Examiners:

Place : Mala

Date : 20/3/20

Guide:

Ms.Suparna Unni E