

## 1.3.2 Percentage of students undertaking project work/field work/internship (Data for the latest completed academic year)

**Programme Name** : B.Sc. Mathematics

Sl. No.	Programme Code	Name of students undertaking project work/field work/internship	Project title page & Report /photograph of Field work	Completion Certificate
1	PWBSMT	AADIYA N S	<a href="#">CLICK HERE</a>	<a href="#">CLICK HERE</a>
2	PWBSMT	ABHIJAYA V V	<a href="#">CLICK HERE</a>	
3	PWBSMT	ABHIRAMI K	<a href="#">CLICK HERE</a>	
4	PWBSMT	ADITHYA MANI P	<a href="#">CLICK HERE</a>	
5	PWBSMT	AKSHARA VISWANATH C	<a href="#">CLICK HERE</a>	
6	PWBSMT	AMRUTHA T	<a href="#">CLICK HERE</a>	
7	PWBSMT	ANAGHA K	<a href="#">CLICK HERE</a>	
8	PWBSMT	ANAGHA P	<a href="#">CLICK HERE</a>	
9	PWBSMT	ANEENA K	<a href="#">CLICK HERE</a>	
10	PWBSMT	ANITA PERERA	<a href="#">CLICK HERE</a>	
11	PWBSMT	ANJANA P	<a href="#">CLICK HERE</a>	
12	PWBSMT	AQUILINE DORRY STEPHEN	<a href="#">CLICK HERE</a>	
13	PWBSMT	ARATHI BABU	<a href="#">CLICK HERE</a>	
14	PWBSMT	ARATHI KRISHNA N	<a href="#">CLICK HERE</a>	
15	PWBSMT	ARCHANA V P	<a href="#">CLICK HERE</a>	
16	PWBSMT	ARUNIMA K P	<a href="#">CLICK HERE</a>	
17	PWBSMT	ARYA MANOHAR A	<a href="#">CLICK HERE</a>	

18	PWBSMT	BEEVI MUNDHIRA P T	<a href="#">CLICK HERE</a>
19	PWBSMT	CHAITHRA P	<a href="#">CLICK HERE</a>
20	PWBSMT	FATHIMA AFZAL T V	<a href="#">CLICK HERE</a>
21	PWBSMT	HIBA N M	<a href="#">CLICK HERE</a>
22	PWBSMT	KRISHNA CHANDRASEKHARAN	<a href="#">CLICK HERE</a>
23	PWBSMT	LIYA MARIA JOSE	<a href="#">CLICK HERE</a>
24	PWBSMT	MARYLEINE JAMES	<a href="#">CLICK HERE</a>
25	PWBSMT	MEGNA K	<a href="#">CLICK HERE</a>
26	PWBSMT	MINHA P	<a href="#">CLICK HERE</a>
27	PWBSMT	NAFEDA SHAREN C K	<a href="#">CLICK HERE</a>
28	PWBSMT	NANDANA S	<a href="#">CLICK HERE</a>
29	PWBSMT	NANNASANIYA M	<a href="#">CLICK HERE</a>
30	PWBSMT	NAVYA KRISHNA	<a href="#">CLICK HERE</a>
31	PWBSMT	NEEHA FATHIMA M	<a href="#">CLICK HERE</a>
32	PWBSMT	NIKETHA MOHAN	<a href="#">CLICK HERE</a>
33	PWBSMT	NIMA MANOJ T	<a href="#">CLICK HERE</a>
34	PWBSMT	P SNEHA SANKAR	<a href="#">CLICK HERE</a>
35	PWBSMT	SANA M UMMER	<a href="#">CLICK HERE</a>
36	PWBSMT	SANDRA DAS K	<a href="#">CLICK HERE</a>
37	PWBSMT	SHANITHA DILNA K M	<a href="#">CLICK HERE</a>
38	PWBSMT	SIGNA V	<a href="#">CLICK HERE</a>
39	PWBSMT	SREELAKSHMI S S	<a href="#">CLICK HERE</a>
40	PWBSMT	SREESHMA P	<a href="#">CLICK HERE</a>

41	PWBSMT	SWATHI B S	<a href="#">CLICK HERE</a>	
42	PWBSMT	ADITHYA U V		
43	PWBSMT	ALEESHA BABY		
44	PWBSMT	ALEESHA ELIZABETH RAJU		
45	PWBSMT	ALISHA ANIL		
46	PWBSMT	AMIYA K B		
47	PWBSMT	AMRUTHA N		
48	PWBSMT	ANITTA PETER		
49	PWBSMT	ANJALA MARIYAM		
50	PWBSMT	ANJANA P		
51	PWBSMT	ANJUSHA K K		
52	PWBSMT	ANKITA E		
53	PWBSMT	ARDRA P K	<a href="#">CLICK HERE</a>	<a href="#">CLICK HERE</a>
54	PWBSMT	ARYA K		
55	PWBSMT	ATHIRA E SAJI		
56	PWBSMT	AYSHA SIMRAN K V		
57	PWBSMT	CHAITHRA S		
58	PWBSMT	FATHIMA NADA		
59	PWBSMT	FATHIMATHUL FARSINA K		
60	PWBSMT	GAYATHRI R V		
61	PWBSMT	HARIPRIYA K		
62	PWBSMT	HAZINA H MANIKFAN		
63	PWBSMT	HENAN BASIYA C P		
64	PWBSMT	HRIDYA T		
65	PWBSMT	JAITHRI P SUNIL		

66	PWBSMT	JHANVI JAMES		
67	PWBSMT	KAVYA R		
68	PWBSMT	MANGALA BABU P		
69	PWBSMT	MARIYAM SHAHIN T K		
70	PWBSMT	MAYA MADHUSUDHANAN		
71	PWBSMT	MEENAKSHI R		
72	PWBSMT	MEGHA P		
73	PWBSMT	MERIN ROSE		
74	PWBSMT	NAFEESATHUL FAJIYA		
75	PWBSMT	NAHANA T		
76	PWBSMT	NANDANA P K		
77	PWBSMT	RAINA RASHI K K		
78	PWBSMT	RASHIDA K P		
79	PWBSMT	RENJANA P		
80	PWBSMT	SHERIN NAVAS V		
81	PWBSMT	SNEHA SUNIL		
82	PWBSMT	SONAL PREETH		
83	PWBSMT	UPASANA S D		
84	PWBSMT	ZIA AHAMMED P P		
85	PWBSMT	AISWARYA V C		
86	PWBSMT	AJANYA V S		
87	PWBSMT	AKSHARA P A		
88	PWBSMT	AMINA FARHA M K		
89	PWBSMT	AMRUTHA VIJITH T		
90	PWBSMT	ANAGHA SHAJITH P		



91	PWBSMT	ANAMIKA S
92	PWBSMT	ANENA P P
93	PWBSMT	ANUSHA K
94	PWBSMT	ARATHI KRISHNA K C
95	PWBSMT	ASWATHY C T
96	PWBSMT	AVANTHIKA S ANAND
97	PWBSMT	AYSHA SHAMLA T T
98	PWBSMT	DEVIKA PRADEESH
99	PWBSMT	FASEENA
100	PWBSMT	FATHIMA AFRA T N
101	PWBSMT	FATHIMA BATHOOL K
102	PWBSMT	FATHIMA NUSFA SRANGINTAKAM
103	PWBSMT	GOPIKA AJITH
104	PWBSMT	GOPIKA M
105	PWBSMT	GOPIKA P
106	PWBSMT	HENNA JOHN
107	PWBSMT	JAHANA SHERIN I K
108	PWBSMT	MARIYAM K M
109	PWBSMT	NANDANA NAMBIYATH
110	PWBSMT	NANDANA S
111	PWBSMT	NITA ANN THOMAS
112	PWBSMT	NIVEDHITHA VINOD
113	PWBSMT	NOORA ASHRAF K P
114	PWBSMT	PARVATHY P
115	PWBSMT	POOJA PRAKASH

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116	PWBSMT	RABA E K		
117	PWBSMT	RANA FATHIMA P		
118	PWBSMT	RIYA RUKKIYA P T		
119	PWBSMT	RUSHDA NAJEEB M V		
120	PWBSMT	SNEHA KRISHNAN K		
121	PWBSMT	SWALIHA JINANA		
122	PWBSMT	THEJALAKSHMI E T		
123	PWBSMT	VISMAYA N		
124	PWBSMT	ANAMIKA S P		

INTERNSHIPS/FIELD  
WORK/PROJECT

Department of Mathematics  
2021-22

# Providence Women's College

Re-Accredited with A+ Grade by NAAC

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Resi : 0495-2371059  
E-mail : providencecollegecalicut@gmail.com  
Website : www.providencecollegecalicut.ac.in



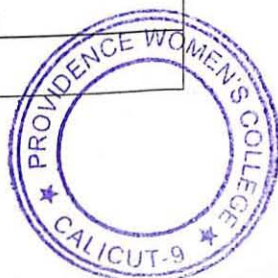
CARMEL HILL  
MALAPARAMBA (P.O.)  
CALICUT - 673 009

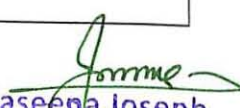
## CERTIFICATE

This is to certify that the following students of III year Mathematics UG completed their project/ fieldwork as a part of their curriculum during the academic year 2021-22

AADIYA N S
ABHIJAYA V V
ABHIRAMI K
ADITHYA MANI P
AKSHARA VISWANATH C
AMRUTHA T
ANAGHA K
ANAGHA P
ANEENA K
ANITA PERERA
ANJANA P
AQUILINE DORRY STEPHEN
ARATHI BABU
ARATHI KRISHNA N
ARCHANA V P
ARUNIMA K P
ARYA MANOHAR A
BEEVI MUNDHIRA P T
CHAITHRA P
FATHIMA AFZAL T V
HIBA N M

KRISHNA CHANDRASEKHARAN
LIYA MARIA JOSE
MARYLEINE JAMES
MEGNA K
MINHA P
NAFEDA SHAREN C K
NANDANA S
NANNA SANIYA M
NAVYA KRISHNA
NEEHA FATHIMA M
NIKETHA MOHAN
NIMA MANOJ T
P SNEHA SANKAR
SANA M UMMER
SANDRA DAS K
SHANITHA DILNA K M
SIGNA V
SREELAKSHMI S S
SREESHMA P
SWATHI B S



  
Dr. Sr. Jaseena Joseph  
Principal (PEN 470173)  
Providence Women's College  
Kozhikode - 673 009

# MATHEMATICS IN MACHINE LEARNING

PROJECT REPORT SUBMITTED TO  
UNIVERSITY OF CALICUT

BY

**AADIYA N S**

REG NO: PWATSMT001

**ABHIJAYA V V**

REG NO: PWATSMT002

**ADITHYA MANI P**

REG NO: PWATSMT003



DEPARTMENT OF MATHEMATICS  
PROVIDENCE WOMEN'S COLLEGE

CALICUT 673009

2019-2022

# CERTIFICATE

This is to certify the project titled MATHEMATICS IN MACHINE LEARNING submitted to Calicut University in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. AADIYA N S, Ms. ABHIJAYA V V and Ms. ADITHYA MANI P during their study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.



Ms. Aiswarya Paul

PROJECT GUIDE

Head of the Department

Department of Mathematics



HEAD OF DEPARTMENT

Ms. Aiswarya Paul



EXTERNAL

Dr. Baby shankar,



# QUOTIENT GROUPS

PROJECT REPORT SUBMITTED TO

CALICUT UNIVERSITY

BY

**AKSHARA VISWANATH C**

REG NO: PWATSMT004

**ANAGHA. P**

REG NO: PWATSMT005

**AQUILINE DORRY STEPHEN**

REG NO: PWATSMT006



DEPARTMENT OF MATHEMATICS

PROVIDENCE WOMEN'S COLLEGE

CALICUT 673009

2019-2022

## CERTIFICATE

This is to certify the project titled QUOTIENT GROUPS submitted to Calicut university in partial fulfilment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by **AKSHARA VISWANATH C, ANAGHA P** and **AQUILINE DORRY STEPHEN** during their study in Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

Ms. DR. NITHA NIRALDA

PROJECT GUIDE

Assistant Professor

Department of Mathematics



HEAD OF DEPARTMENT

Ms. Aiswarya Paul



EXTERNAL

Dr. Baby Chacko.



# FUZZY GRAPH

PROJECT REPORT SUBMITTED TO

CALICUT UNIVRESITY

BY

**ARUNIMA K P**

(REG NO:PWATSMT007)

**FATHIMA AFZAL T V**

(REG NO:PWATSMT009)

**KRISHNA CHANDRASEKHAREN**

(REG NO:PWATSMT010)



DEPARTMENT OF MATHEMATICS

PROVIDENCE WOMEN'S COLLEGE

CALICUT 673009

2019-2022

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This is to certify the project titled FUZZY GRAPH submitted to Calicut University in partial fulfilment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. **ARUNIMA K P, FATHIMA AFZAL T V, KRISHNA CHANDRASEKHARAN** during their study in the Department of Mathematics Providence Women's college, Calicut-09, under my supervision and guidance.



Ms. AISWARYA PAUL

PROJECT GUIDE

HEAD OF DEPARTMENT

DEPARTMENT OF MATHEMATICS



HEAD OF DEPARTMENT

Ms. AISWARYA PAUL



EXTERNAL

D. Baby Chacko

# CRYPTOGRAPHY

PROJECT REPORT SUBMITTED TO  
CALICUT UNIVERSITY

BY

**MARYLEINE JAMES** REG NO: PWATSMT011

**NEEHA FATHIMA M** REG NO: PWATSMT012

**BEEVI MUNDHIRA** REG NO: PWATSMT034



DEPARTMENT OF MATHEMATICS  
PROVIDENCE WOMEN'S COLLEGE

CALICUT 673009

2019-2022

# CERTIFICATE

This is to certify the project titled CRYPTOGRAPHY submitted to Calicut University in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bona fide record of original project done by Ms. MARYLEINE JAMES, Ms. NEEHA FATHIMA, Ms. BEEVI MUNDHIRA during their study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance

Dr. NITHA NIRALDA  
PROJECT GUIDE  
ASSISTANT PROFESSOR



EXTERNAL

Dr. Baby Chneko



HEAD OF DEPARTMENT

Ms. AISWARYA PAUL

# METRIC SPACE

PROJECT REPORT SUBMITTED TO  
CALICUT UNIVERSITY

BY

**SHANITHA DILNA K M** (Reg. No: PWATSMT014)

**ANJANA P.** (Reg. No: PWATSMT015)

**ARATHI KRISHNA N.** (Reg. No: PWATSMT016)



DEPARTMENT OF MATHEMATICS  
PROVIDENCE WOMEN'S COLLEGE

CALICUT 673 009

2019-2022



## CERTIFICATE

This is to certify that the project titled METRIC SPACE submitted to Calicut University in partial fulfilment of the requirement BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. SHANITHA DILNA K M, Ms. ANJANA P., Ms. ARATHI KRISHNA N. during the study in the Department of Mathematics, Providence Women's College, Calicut - 673 009 under my supervision and guidance.

*Aiswarya*

Ms. AISWARYA PAUL

PROJECT GUIDE

HEAD OF THE DEPARTMENT

DEPARTMENT OF MATHEMATICS

*Aiswarya*

HEAD OF THE DEPARTMENT

Ms. AISWARYA PAUL

*Dr. Baby Chacko*

EXTERNAL

*Dr. Baby Chacko*

# MORPHOLOGICAL IMAGE PROCESSING

Project report submitted to

Calicut University

By

ARCHANA V P (Reg No: PWATSMT017)

ARYA MANOHAR A (Reg No: PWATSMT018)

CHAITHRA P (Reg No: PWATSMT019)



DEPARTMENT OF MATHEMATICS

PROVIDENCE WOMEN'S COLLEGE

CALICUT 673009

2019-2022

## CERTIFICATE

This is to certify the project titled MORPHOLOGICAL IMAGE PROCESSING submitted to Calicut University in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. ARCHANA. V. P, Ms. ARYA MANOHAR A, Ms. CHAITHRA. P during the study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

*Aiswarya*

Ms. AISWARYA PAUL

PROJECT GUIDE

HEAD OF DEPARTMENT

DEPARTMENT OF MATHEMATICS

*Aiswarya*

HEAD OF DEPARTMENT

MS. AISWARYA PAUL

*Dr. Baby Chacko*

EXTERNAL

*Dr. Baby Chacko.*



# CALCULUS OF VARIATIONS

PROJECT REPORT SUBMITTED TO  
CALICUT UNIVERSITY

BY

**HIBA N M.** (Reg. No: PWATSMT020)

**MEGNA K.** (Reg. No: PWATSMT021)

**MINHA P.** (Reg. No: PWATSMT022)



DEPARTMENT OF MATHEMATICS  
PROVIDENCE WOMEN'S COLLEGE

CALICUT 673009

2019-2022

## CERTIFICATE

This is to certify that the project titled CALCULUS OF VARIATIONS submitted to Calicut University in partial fulfilment of the requirement BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. HIBA N M, Ms. MEGNA K, Ms. MINHA P during the study in the Department of Mathematics, Providence Women's College, Calicut - 673009 under my supervision and guidance.

Ms. DWITHY E  
PROJECT GUIDE  
ASSISTANT PROFESSOR  
DEPARTMENT OF MATHEMATICS



HEAD OF THE DEPARTMENT  
Ms. AISWARYA PAUL

EXTERNAL

# GRAPH COLOURING

Project report submitted to

Calicut University

By

**NAFEDA SHAREN C K** (Reg No: PWATSMT023)

**NANDANA S** (Reg No: PWATSMT024)

**NANNA SANIYA M** (Reg No: PWATSMT025)



DEPARTMENT OF MATHEMATICS

PROVIDENCE WOMEN'S COLLEGE

CALICUT 673009

2019-2022

# CERTIFICATE

This is to certify that the project titled GRAPH COLOURING submitted to Calicut University in partial fulfilment of the requirement BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. **NAFEDA SHAREN CK, Ms. NANDANA S., Ms. NANNA SANIYA M.** During the study in the Department of Mathematics, Providence Women's College, Calicut – 673 009 under my supervision and guidance.



Ms. AISWARYA PAUL

PROJECT GUIDE

HEAD OF THE DEPARTMENT

DEPARTMENT OF MATHEMATICS



HEAD OF THE DEPARTMENT

Ms. AISWARYA PAUL



EXTERNAL

Dr. Baby Chacko.

# INTRODUCTION TO QUEUE

PROJECT REPORT SUBMITTED TO

CALICUT UNIVERSITY

BY

**SANDRA DAS K** (Reg. No: PWATSMT026)

**SREELAKSHMI S S.** (Reg. No: PWATSMT027)

**ABHIRAMI K.** (Reg. No: PWATSMT028)



DEPARTMENT OF MATHEMATICS

PROVIDENCE WOMEN'S COLLEGE

CALICUT 673 009

2019-2022

## CERTIFICATE

This is to certify that the project titled INTRODUCTION TO QUEUE submitted to Calicut University in partial fulfilment of the requirement BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. SANDRA DAS K, Ms. SREELAKSHMI S S, Ms. ABHIRAMI K. during the study in the Department of Mathematics, Providence Women's College, Calicut - 673 009 under my supervision and guidance.

Ms. DWITHY E  
PROJECT GUIDE  
ASSISTANT PROFESSOR  
DEPARTMENT OF MATHEMATICS



HEAD OF THE DEPARTMENT  
Ms. AISWARYA PAUL



EXTERNAL

Dr. Baby chacko.



SOFT SET THEORY

PROJECT REPORT SUBMITTED TO  
CALICUT UNIVERSITY

BY

**AMRUTHA . T**

REG NO: PWATSMT029

**ANAGHA . K**

REG NO: PWATSMT030

**ANEENA . K**

REG NO: PWATSMT031




DEPARTMENT OF MATHEMATICS  
PROVIDENCE WOMEN'S COLLEGE  
CALICUT 673009  
2019-2022

## CERTIFICATE

This is to certify the project titled SOFT SET THEORY submitted to Calicut university in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. AMRUTHA .T, Ms. ANAGHA . K and Ms. ANEENA . K during their study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

Ms. DWITHY E  
PROJECT GUIDE  
GUEST LECTURER  
Department of Mathematics

  
HEAD OF DEPARTMENT  
Ms. Aiswarya Paul

  
EXTERNAL  
Dr. Baby Chacko.



# MATHEMATICAL ANALYSIS OF COVID 19 EPIDEMIC MODEL

PROJECT REPORT SUBMITTED TO  
CALICUT UNIVERSITY

BY

**NIKETHA MOHAN** (Reg no: PWATSMT013)

**ANITA PERERA** (Reg no: PWATSMT032)

**ARATHI BABU** (Reg no: PWATSMT033)



DEPARTMENT OF MATHEMATICS PROVIDENCE

WOMENS COLLEGE

CALICUT 673 009

2019-2022

## CERTIFICATE

This is to certify the project titled MATHEMATICAL MODELLING OF COVID 19 EPIDEMIC MODEL submitted to Calicut University in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. NIKETHA MOHAN, MS. ANITA PERERA, Ms. ARATHI BABU during her study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

DR. NITHA NIRALDA

PROJECT GUIDE


ASSISTANT PROFESSOR

DEPARTMENT OF MATHEMATICS



HEAD OF DEPARTMENT

Ms. AISWARYA PAUL



EXTERNAL

Dr. Baby Chacko.

# 1. EQUATIONS THAT CHANGED THE WORLD

-

PROJECT REPORT SUBMITTED TO  
CALICUT UNIVERSITY

BY

**LIYA MARIA JOSE** REG NO: PWATSMT036

**NAVYA KRISHNA** REG NO: PWATSMT037

**NIMA MANOJ** REG NO: PWATSMT038



DEPARTMENT OF MATHEMATICS  
PROVIDENCE WOMEN'S COLLEGE  
CALICUT 673009  
2019-2022

## CERTIFICATE

This is to certify the project titled EQUATIONS THAT CHANGED THE WORLD submitted to Calicut university in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Ms. **LIYA MARIA JOSE**, Ms. **NAVYA KRISHNA** and Ms. **NIMA MANOJ** during their study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.

Ms. DWITHY E

PROJECT GUIDE

GUEST LECTURER

Department of Mathematics



HEAD OF DEPARTMENT

Ms. Aiswarya Paul



EXTERNAL

Dr. Baby Chacko.

# MATHEMATICS AND VOTING

PROJECT REPORT SUBMITTED TO

CALICUT UNIVERSITY

BY

**P. SNEHA SANKAR** PWATSMT039

**SANA M UMMER** PWATSMT040

**SIGNA.V** PWATSMT041



DEPARTMENT OF MATHEMATICS

PROVIDENCE WOMEN'S COLLEGE

CALICUT 673009

2019-2022



## CERTIFICATE

This is to certify the project titled MATHEMATICS AND VOTING submitted to Calicut University in partial fulfilment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonifide record of original project done by Ms. **P SNEHA SANKAR**, Ms. **SANA M UMMER** and Ms. **SIGNA V** during their study in the Department of Mathematics, Providence Women's College, Calicut-09, under my supervision and guidance.



Aiswarya Paul  
Assistant Professor  
H.O.D of Mathematics  
Providence Women's College



EXTERNAL

D. Baby Chacko.

# FOURIER TRANSFORM

PROJECT REPORT SUBMITTED TO  
CALICUT UNIVERSITY

BY

**SREESHMA P** REG. NO: PWATSMT042

**SWATHI B.S** REG. NO: PWATSMT043



DEPARTMENT OF MATHEMATICS  
PROVIDENCE WOMAN'S COLLEGE

CALICUT- 673009

2019-2022

## CERTIFICATE

This is to certify the project titled FOURIER TRANSFORM submitted to Calicut university in partial fulfillment of the requirements of BACHELOR OF SCIENCE in MATHEMATICS is a bonafide record of original project done by Miss. SREESHMA P and Miss. SWATHI B.S during their study in the department of mathematics, providence women's college, Calicut-09 under my supervision and guidance.

Dr. Nitha Niralda P.C  
Project Guide  
Assistant Professor  
Department of Mathematics



Head of Department  
Ms. Aiswarya Paul



External

Dr. Baby Chacko.



# Providence Women's College

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Office : 0495-2371696, 2372487  
Resi : 0495-2371059  
E-mail : providencecollegecalicut@gmail.com  
Website : www.providencecollegecalicut.ac.in



CARMEL HILL  
MALAPARAMBA (P.O.)  
CALICUT - 673 009


## CERTIFICATE

This is to certify that the following students of II year Mathematics UG completed their project/ fieldwork as a part of their curriculum during the academic year 2021-22

ADITHYA U V
ALEESHA BABY
ALEESHA ELIZABETH RAJU
ALISHA ANIL
AMIYA K B
AMRUTHA N
ANITTA PETER
ANJALA MARIYAM
ANJANA P
ANJUSHA K K
ANKITA E
ARDRA P K
ARYA K
ATHIRA E SAJI
AYSHA SIMRAN K V
CHAITHRA S
FATHIMA NADA
FATHIMATHUL FARSINA K
GAYATHRI R V
HARIPRIYA K
HAZINA H MANIKFAN
HENAN BASIYA C P

HRIDYA T
JAITHRI P SUNIL
JHANVI JAMES
KAVYA R
MANGALA BABU P
MARIYAM SHAHIN T K
MAYA MADHUSUDHANAN
MEENAKSHI R
MEGHA P
MERIN ROSE
NAFEESATHUL FAJIYA
NAHANA T
NANDANA P K
RAINA RASHI K K
RASHIDA K P
RENJANA P
SHERIN NAVAS V
SNEHA SUNIL
SONAL PREETH
UPASANA S D
ZIA AHAMMED P P



  
Dr. Sr. Jaseena Joseph  
Principal (PEN 470173)  
Providence Women's College  
Kozhikode - 673 009

**Department of Mathematics and Statistics**  
**Project done by 2<sup>nd</sup> year B. Sc Mathematics Students**  
**Report**

The Covid – 19 pandemic had affected people all over the world mentally, physically, socially and economically. Students of all age groups were the primary victims for this especially the lower grades. Their IQ and EQ levels drastically subsided as online classes were not as effective as the usual face to face classes. To analyze this situation, 43 2<sup>nd</sup> year B. Sc Mathematics students sought the help of parents of the students of AMLP Parambil Bazar School.

Objectives:

- To understand whether Covid – 19 pandemic has affected the IQ levels of lower grade students.
- To analyze the percentage affected by the pandemic.
- To develop and improve the thinking and interacting capacities of the both School and College students.

Methodology:-


The 43 students were divided into 3 groups and each group prepared IQ tests for Grade 1, Grade 2 and Grade 3 children of the School. With the help of the school authorities they collected the phone numbers of the parents of these children. They formed 3 different online groups for the 3 grades and circulated the IQ tests in the online group. With the guidance of the parents, the School students answered those questions and on the basis of the marks obtained, our students prepared bar charts and analyzed below average, average and above average students.

Limitations:-

- The Project was restricted to one School.
- Some of the parents might have helped out their wards to answer the IQ tests due to less response from their child.

Outcomes:-

- The Project gave an understanding on how badly the pandemic has affected both college and school students.
- The 2<sup>nd</sup> year B. Sc Mathematics students had to become more socially committed to do this project.
- It inculcated a thought to help out all the pandemic affected population.

  
Aiswarya Paul  
Assistant Professor  
H.O.D of Mathematics  
Providence Women's College  
Calicut-673009



## Minutes of the Department meeting held on 09/07/2021

### Agenda

1. Statistics and Population day celebrations
2. Commencement of Certificate course on LaTeX.
3. International Webinar 'Poorv'.
4. R and D Unit project presentation by alumnae.
5. Project for 2<sup>nd</sup> year UG students
6. Project for 1st year UG students.

1. Statistics and Population day celebrations:-

It was decided to club the National statistics day and World Population day celebrations and conduct a program by the mid of July with an intercollegiate quiz competition on the current SDG which is SDG 2: Zero Hunger.

2. Commencement of Certificate course on LaTeX:-

Taking into account the difficulty faced by the students in typing Maths formulas and symbols using word or excel, we decided to provide Certificate course on LaTeX programming to all the students of the department.

3. International Webinar 'Poorv':-

The department clubbing with the Department of History decided to conduct a webinar with the alumnae of the Maths department as resource person before the end of July.

4. R and D Unit project presentation by alumnae:-

Two best projects of the UG as well as PG 2021 pass outs were selected and they were asked to present it to their juniors so that the present students would have an idea about the making of the project.

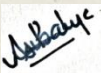
5. Project for 2<sup>nd</sup> year UG students:-

In the wake of the pandemic all the students started to become inactive. So, to make them socially responsible, the department decided to ask them prepare IQ tests and circulate it to the Grade 1, Grade 2 and Grade 3 students of a nearby school, the AMLP Parambil Bazar School.

6. Project for 1st year UG students:-

After the 2<sup>nd</sup> year students analyses the IQ levels of the school students, the 1<sup>st</sup> year students would be sent to the school to guide and teach the below average students and improve their IQ levels

Ms. Aiswarya Paul



Ms. Anupama P.



Dr. Nitha Niralda P. C.



List of Students who participated in the Project

**II YEAR MATHEMATICS 2021-22**

SI No	Name
1	ADITHYA U V
2	ALEESHA BABY
3	ALEESHA ELIZABETH RAJU
4	ALISHA ANIL
5	AMIYA K B
6	AMRUTHA N
7	ANITTA PETER
8	ANJALA MARIYAM
9	ANJANA P
10	ANJUSHA K K
11	ANKITA E
12	ARDRA P K
13	ARYA K
14	ATHIRA E SAJI
15	AYSHA SIMRAN K V
16	CHAITHRA S
17	FATHIMA NADA
18	FATHIMATHUL FARSINA K
19	GAYATHRI R V
20	HARIPRIYA K
21	HAZINA H MANIKFAN
22	HENAN BASIYA C P
23	HRIDYA T
24	JAITHRI P SUNIL
25	JHANVI JAMES
26	KAVYA R
27	MANGALA BABU P
28	MARIYAM SHAHIN T K
29	MAYA MADHUSUDHANAN
30	MEENAKSHI R
31	MEGHA P
32	MERIN ROSE
33	NAFEESATHUL FAJIYA
34	NAHANA T
35	NANDANA P K
36	RAINA RASHI K K
37	RASHIDA K P
38	RENJANA P
39	SHERIN NAVAS V
40	SNEHA SUNIL
41	SONAL PREETH

42	UPASANA S D
43	ZIA AHAMMED P P

*Aiswarya*  
Aiswarya Paul  
Assistant Professor  
H.O.D of Mathematics  
Providence Women's College  
Calicut-673009



### Grade 1 students(AMLP School)

Sl. No.	Name of the student	Marks out of 10
1	ALI HAIDHAR K T	10
2	ANAICA V K	2
3	ANEK RAJ V M	5
4	AYISHA HIZA	7
5	AYISHA MARWA N P	8
6	AYSHA ZALLA	3
7	DHYAN KRISHNA	4
8	FATHIMA AZHA P P	9
9	FATHIMA FAYAHA C K	10
10	FATHIMA NIDHA K	3
11	FATHIMA NOORA T B	6
12	FATHIMA NUHA P T	8
13	FATHIMA SANA V K	4
14	FIZA FATHIMA M	2
15	HIMA A	1
16	LAASIKA SHIJU	6
17	LARAIB IQBAL SHAIKH	8
18	MEZBAN FAISAL K C	9
19	MUHAMMAD ANSHAD A C	4
20	MUHAMMED BILAL K P	5
21	MUHAMMED FISAN T P	7
22	MUHAMMED IRFAN A K	3
23	MUHAMMED NAFIS P V	6
24	MUHAMMED YAFEE RAHMAN K	8
25	MUHAMMED ZAIN V	3
26	NADA MEHRIN	2
27	RAISHA RAYYA P	6
28	RAYAN AYHAM T	9
29	SHIVADHA M	4
30	SREEPAD S	3
31	VASUDEV A	5
32	YAJAT S	5
33	ADAM P P	6
34	AJMAL T P	7
35	ALTHAF MUHAMMED K M	8
36	AMAYA P T	4
37	AMEESH E V	3

38	ARADHYA A	2
39	AYSHA SANA P P	3
40	DAKSHAKASI C M	4
41	FATHIMA NOORA	5
42	FATHIMA SANA A C	7
43	ISHANA K	8
44	MEHADIN WAFID P P	9
45	MUHAMMAD SHABAS M P	10
46	MUHAMMED IDREES E	10
47	NIRANJANA K	2
48	NYSHA V P	3
49	PRANAV RANJITH	5
50	VEDIK VIJAY P	6
51	VIDHU KRISHNAN V	9
52	AADI DEV K M	3
53	AISHA MARWA	8
54	AJONSHIVA K	5
55	ALANKRISHNA K P	6
56	ARFAS HADI M	8
57	AYSHA RISAL K	10
58	DEVADATH K	2
59	DHYAN P P	9
60	DIYA MEHRIN P M	6
61	FATHIMA LIYANA	9
62	FATHIMA SHADA M T	4
63	FILZA FATHIMA V	3
64	ISHAN AHAMMED V P	8
65	LAKSHMIKA KRISHNA T	5
66	MIFSAL MUHAMMED HASSAN P	8
67	MOHAMMAD RAFAL RASHEED	6
68	MOHAMMAD RAIHAN	9
69	MUHAMMAD RIHAN K T	10
70	MUHAMMED IHSHAN P P	10
71	MUHAMMED SAFWAN	10
72	MUHAMMED SHEREEF K	2
73	NASHWA M P	3
74	RIYAN FELIX	5
75	ZANHA M P	6

**Grade 2 Students(AML P School)**

Sl. No.	Name of the Student	Marks out of 10
1	AADI RAYAN A S	2
2	AARYAN T P	3
3	ADIDEV V A	5
4	AMAN MUHAMMED C K	7
5	ANHA FATHIMA A C	4
6	ANULAKSHMI K T	7
7	ARADHYA S R	5
8	AYISHA SANHA A C	4
9	HAYA MEHRIN A P	7
10	IZAAN MUHAMMED	10
11	MUHAMMAD HABEEB C T	2
12	MUHAMMED ALDIN MISHAB N	2
13	MUHAMMED FARHAN M	10
14	MUHAMMED HADIH K	4
15	MUHAMMED NAISAM P V	4
16	MUHAMMED RAYAN M K	3
17	MUHAMMED RAZI RASHEED P K	6
18	NAFA SHERIN N V	3
19	NAJIYA SHIRIN P K	9
20	NAZAL MUHAMMAD V	8
21	NOURIN JANNA	7
22	SANGHAVI SHIJU	9
23	SOORYA DEV E	10
24	SRIYA LAKSHMI T N	4
25	ABIN LEO ANDROWS	6
26	AMINA RIYA P V	3
27	ANUSHIMA	5
28	FATHIMA RINSHA K P	3
29	FATHIMA THANSEEHA A C	9
30	FATHIMA ZIYA K	7
31	MUHAMMED ASHID E K	6

32	MUHAMMED HANAN N K	9
33	MUHAMMED JAWHAR P P	7
34	MUHAMMED RASHAD A P	9
35	MUNNA T K	6
36	RIYA KADEEJA V P	7
37	AALIYAH MARIYAM N P	3
38	AISHA NASHWA	2
39	AJWAD LEZIN ALI K	4
40	ALHAN ASEES M P	6
41	AMARNAD T	4
42	ARADHYA S	8
43	DEEKSHITH P M	4
44	DEVANANDANA M	9
45	FATHIMA SHAIKA V P	10
46	FILZA MEHAREEN K P	3
47	HAYA MEHAK C P	10
48	HAZLIN M	6
49	KARTHIK K	3
50	MEHANZA PARVEEN K P	10
51	MUHAMMAD RAYYAN E K	7
52	MUHAMMED AMAN A P	8
53	MUHAMMED RABEEH V K	9
54	MUHAMMED REMIN V K	5
55	MUHAMMED ROSHAN A N	3
56	MUHAMMED ZAYAN C V	10
57	NAFLA MEHBIN N P	2
58	NAZIH RAIHAN K	4
59	SREERAG P	8
60	VAIGA K	7
61	VEDHIK M S	10

**Grade 3 (AMLP School)**

Sl.NO	Name of the Student	Marks out of 10
1	NIVED M	9
2	AKHIL NAND M K	10
3	AMINA JAZAH P T	7
4	AMINA RINSHA P V	8
5	ANAY KRISHNA P	10
6	ARJUN P K	6
7	ASHMIN SURYA	3
8	AYISHA A T	5
9	AYISHA FAIHA P A	8
10	AYISHA MISRI	2
11	DEVANANDA P	5
12	FATHIMATHUL NUSHFA	8
13	GOWRINANDA C K	10
14	HANEEN ABDULLAH	6
15	HANNA MARIYAM A	4
16	HAWASHA HASMIN N	2
17	IFFA MARIYAM	7
18	JANIKA V	9
19	MAHIRA FATHIMA P P	6
20	MITHRA KALIANI P	3
21	MUHAMMED ADIL	7
22	MUHAMMED JURAIJ P P	9
23	MUHAMMED MIDHLAJ T P	2
24	MUHAMMED NISHAL C	3
25	NIVED M	4
26	POOJA K	6
27	PUNNYA K	4
28	SATHIHA S	7
29	SOHITH A	8

30	SURYA NANDAN P P	6
31	UMERUL FAROOQ K T	7
32	ABINAV KRISHNA P	10
33	AMANA PARVEEN	10
34	ANAGHA T N	3
35	ASWATHI K V	5
36	ATHUL KRISHNA K P	5
37	FATHIMA MEHRIN N P	8
38	FATHIMA NAINA C V	6
39	FATHIMA SANA K	7
40	HIBA K K	6
41	ISHA MARIYAM	7
42	MANU DEV P T	4
43	MUHAMED MARSHID	5
44	MUHAMMED HAMIS N V	4
45	MUHAMMED HILAL	3
46	MUHAMMED SHAFEEK P M	3
47	MUHAMMED SHAHID M T	5
48	MUHAMMED SIDHAN V P	6
49	AADITH NANDU K	8
50	ABY LEO ANDROWS	4
51	AHAMMAD HAIZAM V P	8
52	AL AMEEN M	4
53	ALAN M K	6
54	ANAYKRISHNA	8
55	AYISHA HIBA M P	6
56	DIYA FATHIMA C P	7
57	ESHAL MINNA K	6
58	FATHIMA SHAHANA P P	5
59	HADHI RAMZAN K V	4
60	HANAN ZAKEENA V	3
61	INSHA T P	10
62	ISMATH MARIYAM K	2
63	KENZA FATHIMA E P	7



64	MUHAMMED AFLAH ROSHAN A T	8
65	MUHAMMED AFREED C P	9
66	MUHAMMED FARHAN	10
67	MUHAMMED IHSAN V M	10
68	MUHAMMED IHZAN CP	4
69	MUHAMMED YASEEN	6
70	NIHAL K	8
71	NIYA FATHIMA K	9
72	RIYA ANAS K T	8

**PROVIDENCE WOMEN'S COLLEGE**  
**DEPARTMENT OF MATHEMATICS AND STATISTICS**

**IQ TEST - GRADE 1 (AML P PARAMBIL BAZAR SCHOOL)**

1)  $19+6 = ?$    a) 19   b) 6   c) 25   d) 26

2) I bought 10 Oranges and 5 Pineapples. How many fruits did I buy totally?

a) 16   b) 18   c) 14   d) 15

3) Find the missing number:-  $24+ \underline{\quad} = 30$

a) 6   b) 5   c) 4   d) 3

4) When added which is greater?

a)  $5+15$    b)  $20+0$    c)  $15+20$    d)  $10+30$

5) Find the number words of 28.

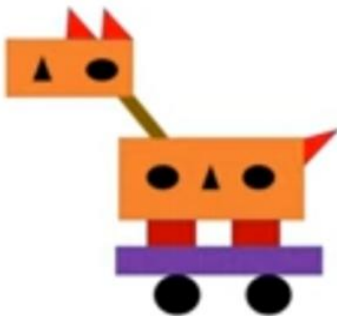
a) Twenty nine   b) Thirty Eight   c) Twenty Eight  
d) Twenty Seven

6) In the picture given, how many pencils are there in the box?



- a) 3      b) 5      c) 6      d) 4

7) Which of the following shape is missing in the following figure?



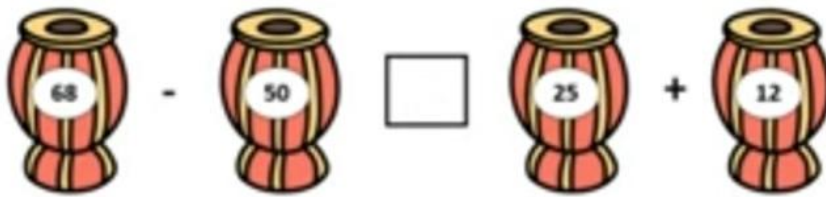
- a) Triangle    b) Square    c) Circle  
d) Rectangle

8) If Neha's school function is on third Monday of October 20xx, then on which date will her annual function be held?

OCTOBER		20XX				
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- a) 22 Oct    b) 20 Oct    c) 27 Oct  
d) 21 Oct

9) Compare and fill the box.



a) =    b) can't say    c) greater than    d) less than

10) Which of the following items CANNOT be bought from the given amount of money?



A.



B.



C.



D.



**PROVIDENCE WOMEN'S COLLEGE**  
**DEPARTMENT OF MATHEMATICS AND STATISTICS**

**IQ TEST - GRADE 2 (AML P PARAMBIL BAZAR SCHOOL)**

- 1) Is 84 even or odd?
  
- 2) In 379, the place value of 7 is?  
a) Ones   b) Tens   c) Hundreds
  
- 3) What is 200 more than 646?  
a) 746   b) 846   c) 946
  
- 4) What time will be 2 hours before 1 o'clock?  
a) 12 o'clock   b) 10 o'clock   c) 11 o'clock   d) 9 o'clock
  
- 5) 1 fortnight = \_\_\_\_\_ days  
a) 7   b) 10   c) 15
  
- 6) I have one in the ones place. I am greater than 41 but less than 57. What number am I?
  
- 7) I am odd number. I have 8 on tens place. I am greater than 81 but less than 85. What number am I?

**8) What time does this clock show ?**



**9) Which number is the same as 4 hundreds, 3 tens and 5 ones?**

- a) 453      b) 345      c) 435      d) 352**

**10) Which of the following are correctly matched?**

- a) One hundred and ninety two - 193**  
**b) Six hundred and three - 603**  
**c) Two hundred and fourteen - 204**  
**d) Five hundred and twenty - 521**



**PROVIDENCE WOMEN'S COLLEGE**  
**DEPARTMENT OF MATHEMATICS AND STATISTICS**

**IQ TEST - GRADE 3 (AML P PARAMBIL BAZAR SCHOOL)**

1) What is the predecessor of 65347?

- a) 65346    b) 65348    c) 65356

2)  $54871 - 24601$  has which number at thousand digit?

- a) 4            b) 0            c) 6            d) 5

3) \_\_\_\_\_  $\div$  220 = 98 Quotient and 90 Remainder

- a) 22650    b) 21650    c) 23650

4) Write the fraction shaded in the picture.



5) How many hours and minutes are there from quarter past 5 to half past 8?

- a) 2 hr 30min    b) 3 hr 10 min    c) 3 hr 15 min

6)  $18 \text{ kg } 657 \text{ g} =$  \_\_\_\_\_ g

- a) 17757g            b) 18657g            c) 18695g

**7) A book store has 29650 books. 5359 books were sold on the first day and 6507 books were sold on the second day. How many books were left in the book store?**

**8) A truck carries 175 bags of wheat. How many bags of wheat will be carried in 45 such trucks?**

**9) Seema is 7. Krishna is 4 years older than Seema and 5 years younger than Geetha. How old is Geetha?**

**10) What number should be subtracted from smallest four digit number to give largest three digit number?**

**PROVIDENCE WOMEN'S COLLEGE**  
**DEPARTMENT OF MATHEMATICS AND STATISTICS**

**IQ TEST - GRADE 1 (AML P PARAMBIL BAZAR SCHOOL)**

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2) I bought 10 Oranges and 5 Pineapples. How many fruits did I buy totally?

a) 16   b) 18   c) 14   d) 15 ✓

3) Find the missing number:-  $24 + \underline{\quad} = 30$

a) 6 ✓   b) 5   c) 4   d) 3

4) When added which is greater?

a)  $5+15$    b)  $20+0$    c)  $15+20$    d)  $10+30$  ✓

5) Find the number words of 28.

a) Twenty nine   b) Thirty Eight   c) Twenty Eight ✓  
d) Twenty Seven

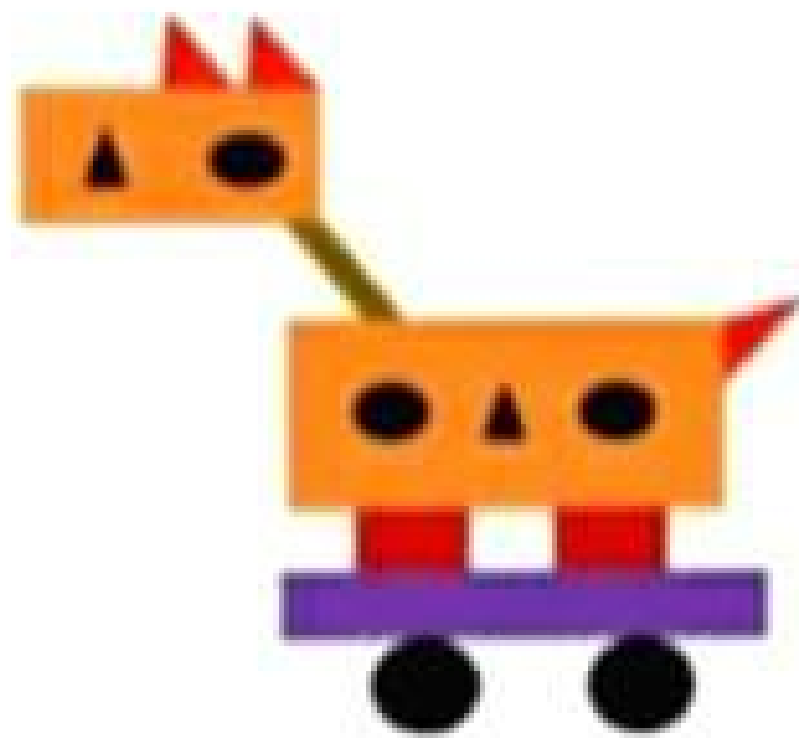
8/10

6) In the picture given, how many pencils are there in the box?



- a) 3    b) 5    c) 6    d) 4

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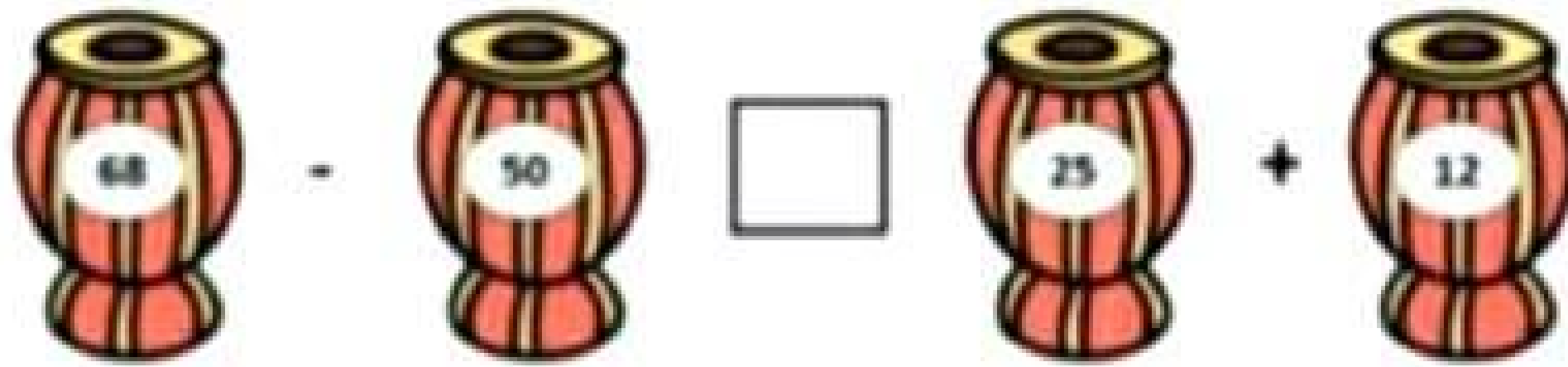
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19	20	21	22	23	24	25
26	27	28	29	30	31	

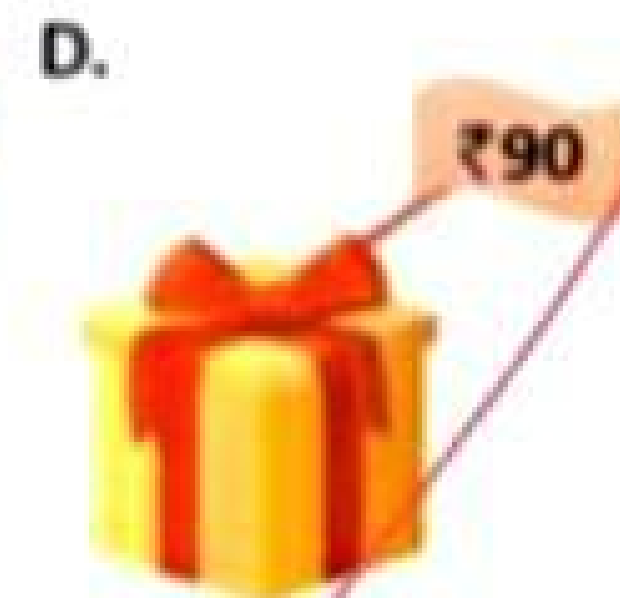
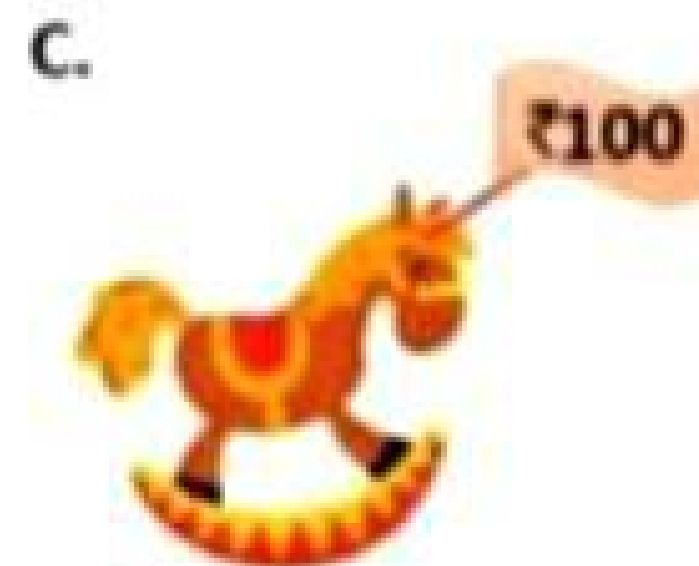
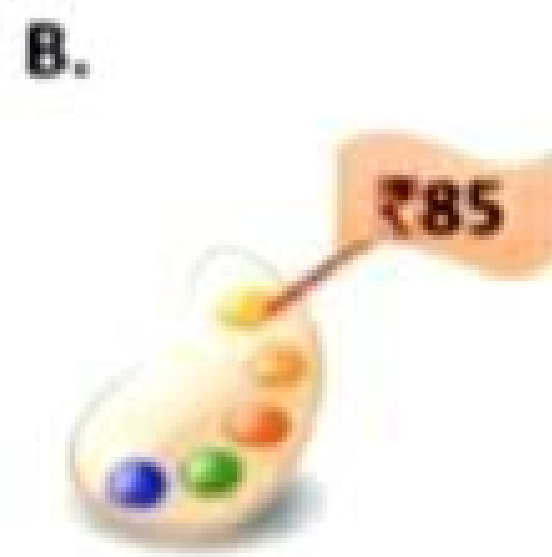
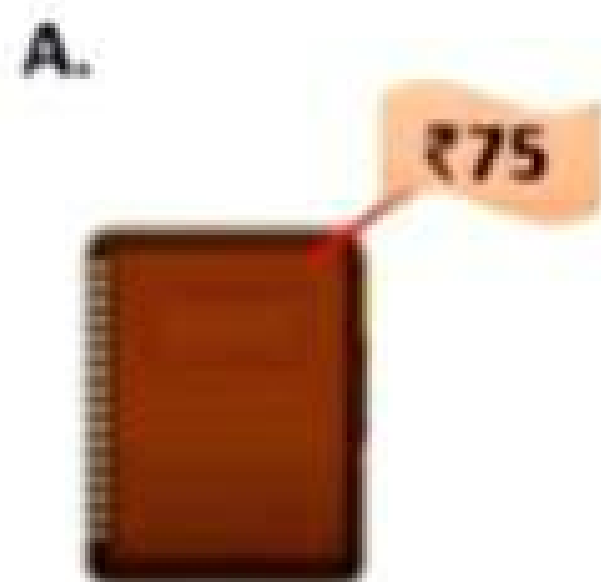
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PROVIDENCE WOMEN'S COLLEGE  
DEPARTMENT OF MATHEMATICS AND STATISTICS

**IQ TEST - GRADE 2 (AML P PARAMBIL BAZAR SCHOOL)**

1) Is 84 even or odd?

even

2) In 379, the place value of 7 is?

a) Ones b) Tens c) Hundreds

3) What is 200 more than 646?

a) 746 b) 846 c) 946

4) What time will be 2 hours before 1 o'clock?

a) 12 o'clock b) 10 o'clock c) 11 o'clock d) 9 o'clock

5) 1 fortnight = \_\_\_\_\_ days

a) 7 b) 10 c) 15

6) I have one in the ones place. I am greater than 41 but less than 57. What number am I?

51

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83



8) What time does this clock show ?



8:00 clock

9) Which number is the same as 4 hundreds, 3 tens and 5 ones?

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**PROVIDENCE WOMEN'S COLLEGE**  
**DEPARTMENT OF MATHEMATICS AND STATISTICS**

**IQ TEST - GRADE 3 (AML P PARAMBIL BAZAR SCHOOL)**

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3)  $\underline{\quad} \div 220 = 98$  Quotient and 90 Remainder  
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4) Write the fraction shaded in the picture.



$\frac{3}{10}$

5) How many hours and minutes are there from quarter past 5 to half past 8?  
**a) 2 hr 30min**    b) 3 hr 10 min    c) 3 hr 15 min

6)  $10 \text{ kg } 657 \text{ g} = \underline{\quad} \text{ g}$   
**a) 17757g**    b) 18657g    c) 18695g

7) A book store has 29650 books. 5359 books were sold on the first day and 6507 books were sold on the second day. How many books were left in the book store?

1702

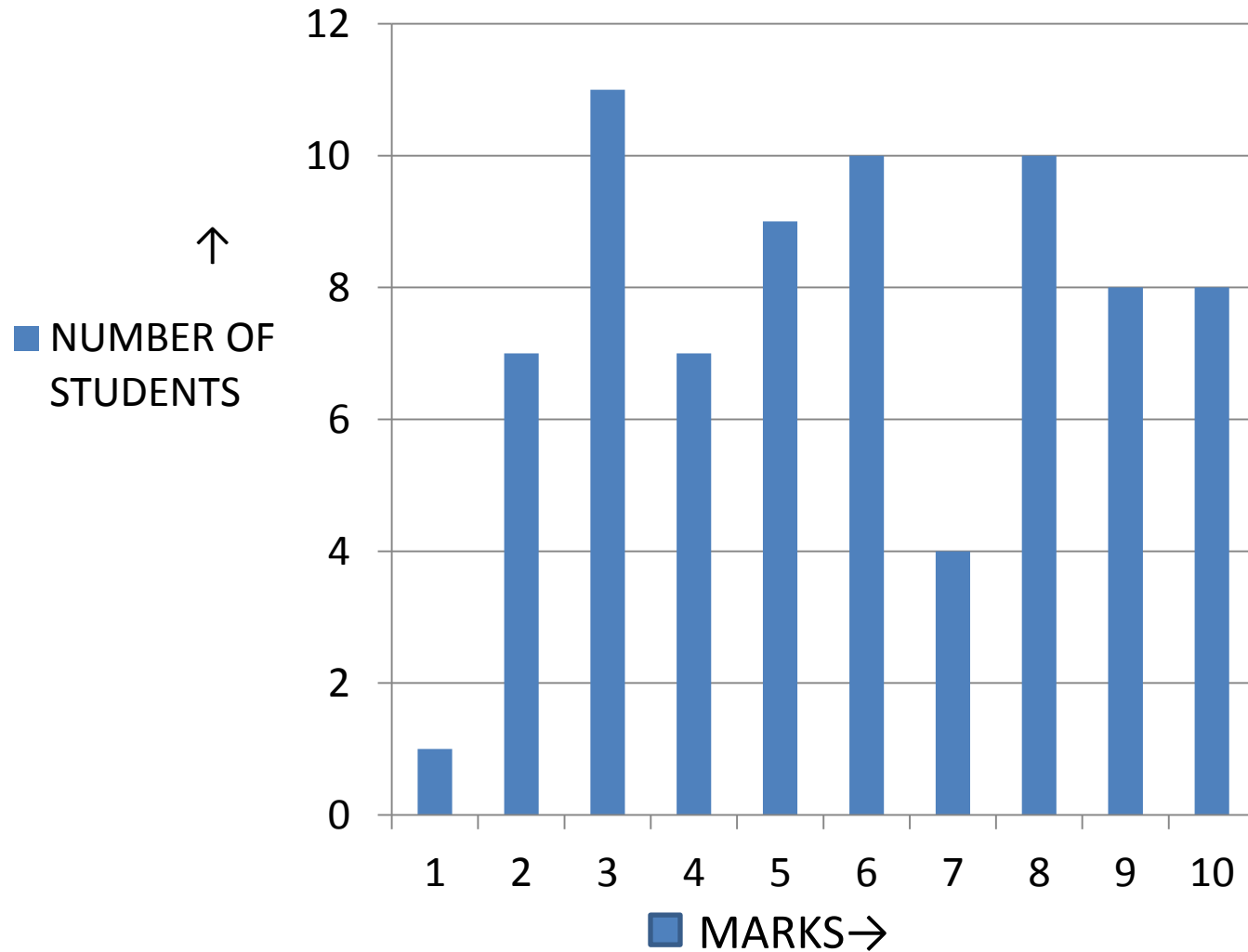
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# IQ ANALYSIS - GRADE 1

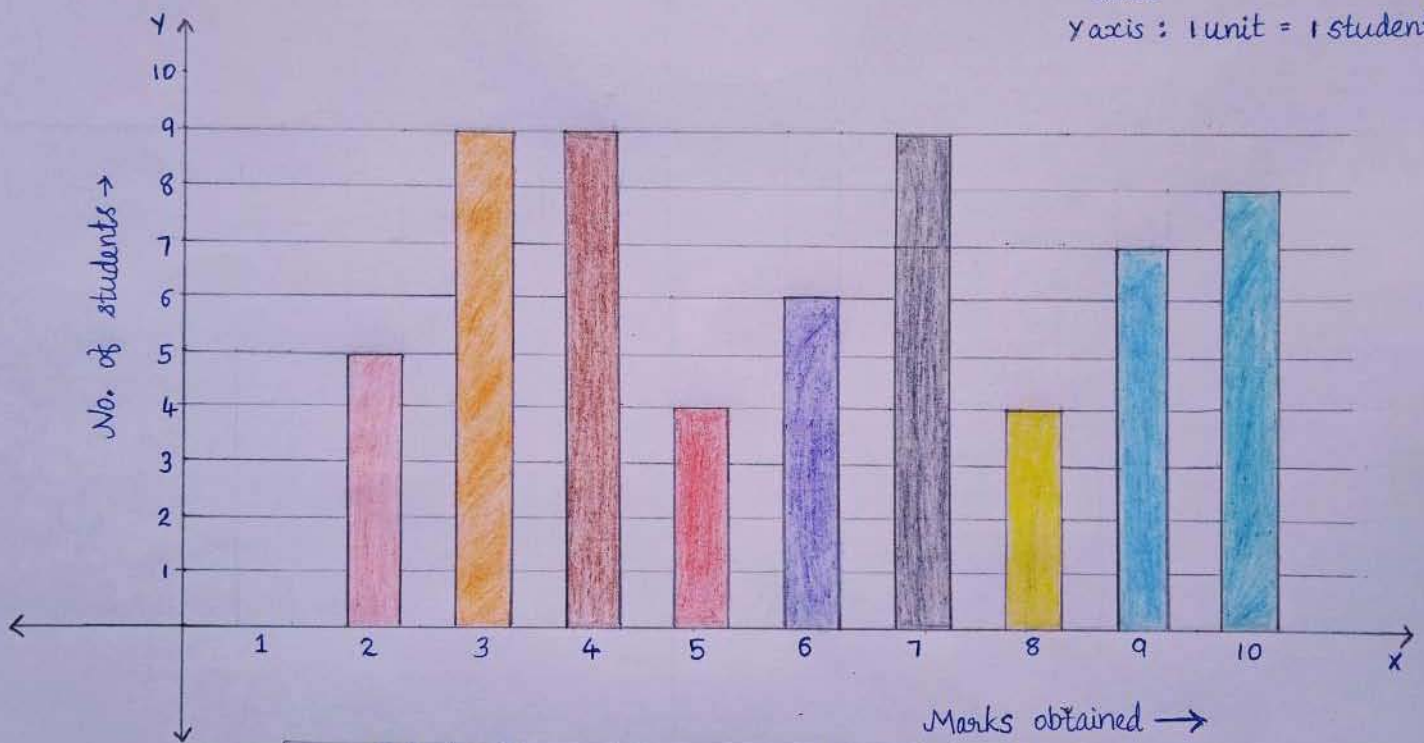
AMLP SCHOOL PARAMBIL BAZAR



IQ LEVEL	NUMBER OF STUDENTS
BELOW AVERAGE ( $\leq 4$ )	26
AVERAGE (5 – 7)	23
ABOVE AVERAGE ( $\geq 8$ )	26

## IQ TEST- GRADE 2 (AMLP PARAMBIL BAZAR SCHOOL)

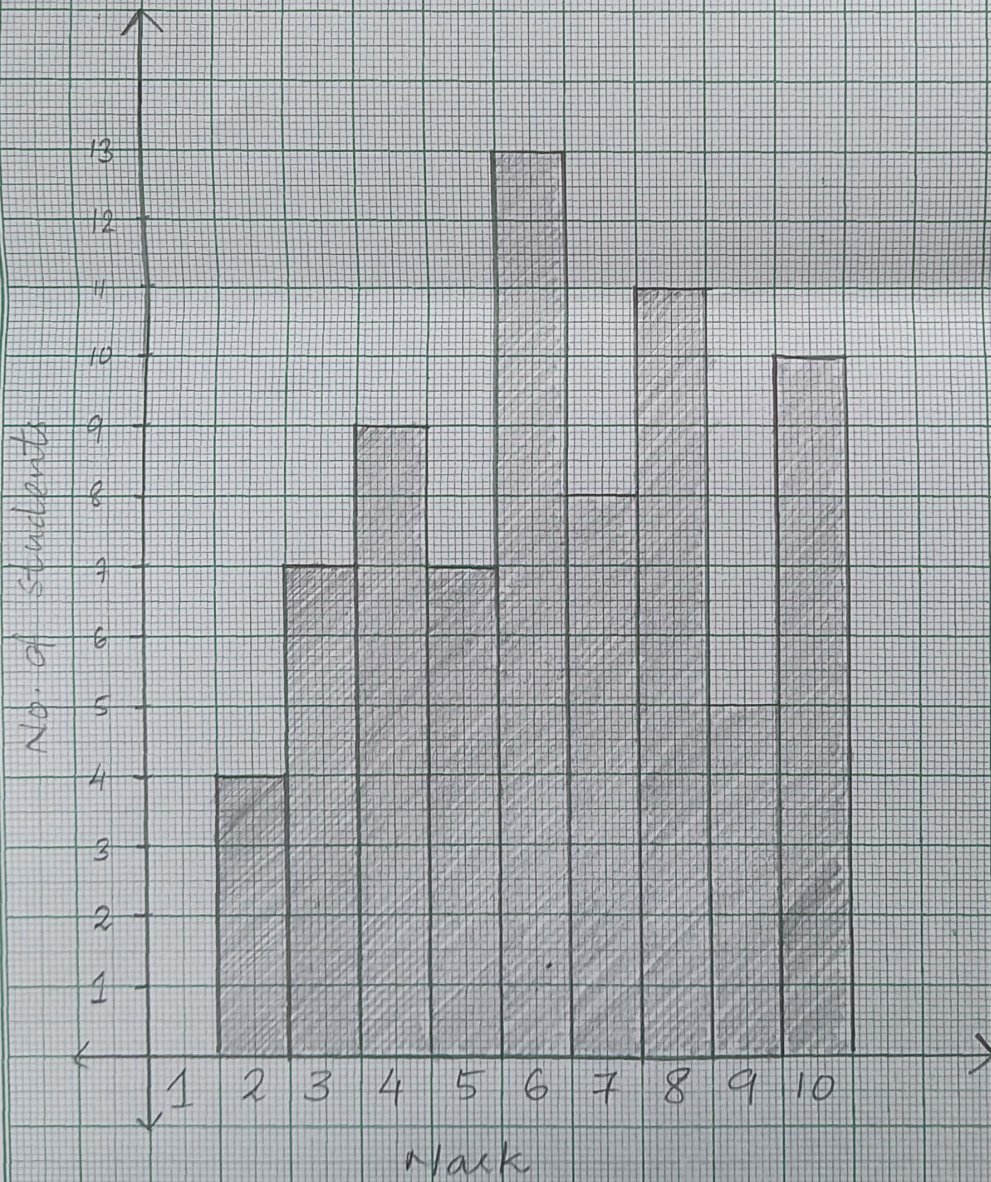
Scale  
Yaxis : 1 unit = 1 student



IQ Level	Number of students
Below average ( $\leq 4$ )	23 students
Average (5,6,7)	19 students
Above average ( $\geq 8$ )	19 students



IQ evaluation for  
Grade 3 students of  
AMLP School . Parambil Bazar.





Mark	Status	No. of students
0, 1, 2, 3, 4	Below average	20
5, 6, 7	Average	28
8, 9, 10	Above average	24.

# Providence Women's College

Re-Accredited with A+ Grade by NAAC

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Office : 0495-2371696, 2372487  
Resi : 0495-2371059  
E-mail : providencecollegcalicut@gmail.com  
Website : www.providencecollegcalicut.ac.in



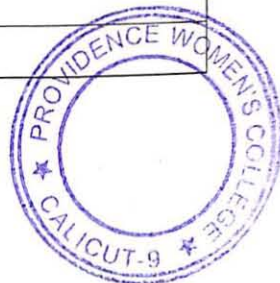
CARMEL HILL  
MALAPARAMBA (P.O.)  
CALICUT - 673 009


## CERTIFICATE

This is to certify that the following students of I year Mathematics UG completed their project/ fieldwork as a part of their curriculum during the academic year 2021-22

AISWARYA V C
AJANYA V S
AKSHARA P A
AMINA FARHA M K
AMRUTHA VIJITH T
ANAGHA SHAJITH P
ANAMIKA S
ANENA P P
ANUSHA K
ARATHI KRISHNA K C
ASWATHY C T
AVANTHIKA S ANAND
AYSHA SHAMLA T T
DEVIKA PRADEESH
FASEENA
FATHIMA AFRA T N
FATHIMA BATHOOL K
FATHIMA NUSFA SRANGINTAKAM
GOPIKA AJITH
GOPIKA M

GOPIKA P
HENNA JOHN
JAHANA SHERIN I K
MARIYAM K M
NANDANA NAMBIYATH
NANDANA S
NITA ANN THOMAS
NIVEDHITHA VINOD
NOORA ASHRAF K P
PARVATHY P
POOJA PRAKASH
RABA E K
RANA FATHIMA P
RIYA RUKKIYA P T
RUSHDA NAJEEB M V
SNEHA KRISHNAN K
SWALIHA JINANA
THEJALAKSHMI E T
VISMAYA N
ANAMIKA S P



  
Dr. Sr. Jaseena Joseph  
Principal (PEN 470173)  
Providence Women's College  
Kozhikode - 673 009

**Department of Mathematics and Statistics**  
**Project done by 1<sup>st</sup> year B. Sc Mathematics Students**  
**Report**

The Covid – 19 pandemic had affected people all over the world mentally, physically, socially and economically. Students of all age groups were primary victims for this especially the lower grades. Their IQ and EQ levels drastically subsided as online classes were not as effective as the usual face to face classes. This situation was analyzed by 43 2<sup>nd</sup> year B. Sc Mathematics students by seeking the help of parents of the students of AMLP Parambil Bazar School. So, to tackle this, the 1<sup>st</sup> year students gave guidance and training to the students of the school to improve their IQ and EQ. IQ analysis were done after the training and compared with previous test results also.

Objectives:

- To improve IQ levels of lower grade students which were affected by the Covid – 19 pandemic.
- To analyze the percentage improvement after the students helped the school children.
- To develop and improve the thinking and interacting capacities of the both School and College students.

Methodology:-


The 40 students were divided into 3 groups and each group were assigned below average students of Grade 1, Grade 2 and Grade 3 to train, help and prepare them for the IQ tests. The students went to the School and after training the children, they conducted IQ tests. The School students answered those questions and on the basis of the marks obtained, our students prepared bar charts and analyzed the scores obtained before the training and after the training.

Outcomes:-

- The Project gave an understanding on how pandemic affected students could be helped to improve their situation.
- The 1<sup>st</sup> year B. Sc Mathematics students had to become more socially committed and

responsible to do this project.

- They could understand the real life application of the course in their curriculum”Introductory Statistics” which made them keen to study more of the subject.
- It inculcated a thought to help out all the pandemic affected population.

  
Aiswarya Paul  
Assistant Professor  
H.O.D of Mathematics  
Providence Women's College  
Calicut-673009



## Minutes of the Department meeting held on 09/07/2021

### Agenda

1. Statistics and Population day celebrations
2. Commencement of Certificate course on LaTeX.
3. International Webinar 'Poorv'.
4. R and D Unit project presentation by alumnae.
5. Project for 2<sup>nd</sup> year UG students
6. Project for 1st year UG students.

1. Statistics and Population day celebrations:-

It was decided to club the National statistics day and World Population day celebrations and conduct a program by the mid of July with an intercollegiate quiz competition on the current SDG which is SDG 2: Zero Hunger.

2. Commencement of Certificate course on LaTeX:-

Taking into account the difficulty faced by the students in typing Maths formulas and symbols using word or excel, we decided to provide Certificate course on LaTeX programming to all the students of the department.

3. International Webinar 'Poorv':-

The department clubbing with the Department of History decided to conduct a webinar with the alumnae of the Maths department as resource person before the end of July.

4. R and D Unit project presentation by alumnae:-

Two best projects of the UG as well as PG 2021 pass outs were selected and they were asked to present it to their juniors so that the present students would have an idea about the making of the project.

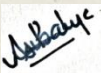
5. Project for 2<sup>nd</sup> year UG students:-

In the wake of the pandemic all the students started to become inactive. So, to make them socially responsible, the department decided to ask them prepare IQ tests and circulate it to the Grade 1, Grade 2 and Grade 3 students of a nearby school, the AMLP Parambil Bazar School.

6. Project for 1st year UG students:-

After the 2<sup>nd</sup> year students analyses the IQ levels of the school students, the 1<sup>st</sup> year students would be sent to the school to guide and teach the below average students and improve their IQ levels

Ms. Aiswarya Paul



Ms. Anupama P.



Dr. Nitha Niralda P. C.



**List of students who participated in the  
Project**

**I YEAR MATHEMATICS 2021-22**

<b>Sl No</b>	<b>Name</b>
1	AISWARYA V C
2	AJANYA V S
3	AKSHARA P A
4	AMINA FARHA M K
5	AMRUTHA VIJITH T
6	ANAGHA SHAJITH P
7	ANAMIKA S
9	ANENA P P
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33	RABA E K
34	RANA FATHIMA P
35	RIYA RUKKIYA P T
36	RUSHDA NAJEEB M V
37	SNEHA KRISHNAN K
38	SWALIHA JINANA
39	THEJALAKSHMI E T
40	VISMAYA N

*Aiswarya*  
Aiswarya Paul  
Assistant Professor  
H.O.D of Mathematics  
Providence Women's College  
Calicut-673009











# PROVIDENCE WOMEN'S COLLEGE

## DEPARTMENT OF MATHEMATICS & STATISTICS

### IQ TEST-GRADE 1 ( AMLP PARAMBIL BAZAR SCHOOL)


- Which of the following does not make 45?
  - $40+50$
  - $20+25$
  - $25+25$
  - $10+35$
- When 0 is added to 100 what is the answer?
  - 0
  - 100
  - 1
  - 10
- What is the double of 9 ?
  - 99
  - 18
  - 90
  - 10
- Which of the following is true?
  - $15+5=15$
  - $15-0=15$
- I am between 1 and 5. I'm more than 2 and less than 4. Who am I ?
  - 5
  - 3
  - 2
  - 1
- How do you write this number using digit?

"TWELVE"

  - 21
  - 12
  - 00
  - 11
- Is this number of fish even or odd?



8. How many flowers are there in all?



16      18      14      15

a.                  b.                  c.                  d.

9. Find the missing number?

1, \_\_, 3, 4, 5

- a) 6
- b) 7
- c) 1
- d) 2

10. Which geometrical shape is this?



Circle      Triangle      Square

PROVIDENCE WOMEN'S COLLEGE

DEPARTMENT OF MATHEMATICS AND STATISTICS

IQ TEST - Grade 2 (AML P PARAMBIL BAZAR SCHOOL)

1. Which of the following is a odd number?

- a) 22 b) 84 c) 11

2. 1 week = \_days

- a) 3 b) 6 c) 7

3. What time will be 2 hours after 10 O'Clock?

- a) 11 O'clock b) 1 O'clock c) 12 O'clock

4. \_\_\_ comes just before 413.

- a) 414 b) 412 c) 411

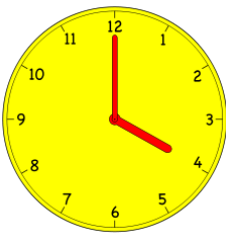
5. Three hundred and one can be written as \_\_\_\_.

- a) 31 b) 3001 c) 301

6. There are 4 apples in each basket. How many apples will be there in 5 baskets?

- a) 4 b) 20 c) 10

7. What time does the clock show?



8. Jane bought 60 cherries. She put 6 cherries in each packet. How many packets did she use?

- a) 10 b) 6 c) 5

9.  $10+43+34 =$

- a) 77 b) 87 c) 67



**10 . Which of the following are correctly matched?**

**a) One hundred and thirty - 113**

**b) Two hundred and twenty two - 220**

**c) five hundred and sixty five - 556**

**d) Three hundred and thirty three - 333.**





**PROVIDENCE WOMEN'S COLLEGE**  
**DEPARTMENT OF MATHEMATICS AND STATISTICS**

**IQ TEST - GRADE 3 (AMLP PARAMBIL BAZAR SCHOOL)**

**1. Which number should come next in this pattern: 8, 16, 32, ?**

**A. 76                  B. 64**

**C. 24                  D. 66**

**2. Which of these numbers is not a prime?**

**A. 89                  B. 127**

**C. 297                D. 313**

**3. How many corners are there in a cube?**

**A. 4                    B. 6**

**C. 8                    D. 10**

**4. Give the place value of 6 in the number 361,489.**

**A. 60                  B. 600**

**C. 6,000              D. 60,000**

**5. Take 2,000. Now add 140 to it. Take away 30, and add another 80. Now add 440. Finally, take away 16. What's your final total?**

**A. 2,541              B. 2,544**

**C. 2,614              D. 2,644**

6. Your sock drawer has 24 white socks and 24 blue socks in it. How many times will you need to reach inside the drawer and take out a sock to guarantee a matching pair?

A. Two                      B. Three

C. Four                      D. Eight

7. How many total squares are there on a standard chess board?

A. 32                      B. 64

C. 128                      D. 204

8. What is the value of X ?

$$7 \cdot 9 - 3 \cdot 4 + 10 = X?$$

A. 60                      B. 61

C. 62                      D. 63

9. Tom's room has a cabinet with eight shelves. There are 5 books on each shelf. How many books are there in this cabinet?

A. 5                      B. 25

C. 35                      D. 40

10. Daphne has 16 flowers. Eve's flowers are half the Daphne. How many flowers does Eve have?

A. 22                      B. 12

C. 8                      D. 9



## Grade 1

Sl.No:	Name	Scores before guidance	Scores after guidance
1	Anaika V.K	2	5
2	Aysha Zalka	3	6
3	Dnyan	4	5
4	Fathima Nidha K	3	7
5	Fathima Sana V.K	4	3
6	Fiza Falbuna	2	4
7	Hime A	1	4
8	Muhammed Anshad	4	5
9	Muhammed Jafan	3	2
10	Muhammed Zain V	3	5
11	Nada Mehlin	2	7
12	Shivadha	4	6
13	Sreepad S	3	2
14	Amaya	4	8
15	Aneesh	3	8.5
16	Aradhya A	2	5
17	Aysha Sana P.P.	3	4
18	Dakshakasi C.M	4	6
19	Nidanyana K.	2	7
20	Aysha V.P	3	5
21	Adidev K.M	3	4
22	Devadath K	2	6



23.	Pathina Shada	4	3
24.	Piqa Pathima V	3	2
25.	Muhammed Sherif K	2	3
26.	Nashua M. P	3	5

Aiswarya

Aiswarya Paul  
 Assistant Professor  
 H.O.D of Mathematics  
 Providence Women's College  
 Calicut-673009



## Grade - 2

Sl No	Name	Score before guidance	Score after guidance
1	Adi Rayan A S	2	5
2	Aaryan T P	3	7
3	Anha Fakhima A C	4	4
	<del>Anadhya S R</del>		
4	Ayisha Sanha A C	4	3
5	Muhammed Habeeb C T	2	2
6	Muhammed Aldin Mishal N	2	4
7	Muhammed Hadih K	4	6
8	Muhammed Naisam P-V	4	3
9	Muhammed Rayan M K	3	6
10	Nafa Sherin N V	3	7
11	Sriya Lakshmi T N	4	9
12	Amina Riya P V	3	6
13	Fakhima Rinsha K P	3	5
14	Aliyah Maryam N P	3	4
15	Aisha Nashwa	2	3
16	Ajuwad Lezin Ali K	4	6
17	Amarnad T	4	7
18	Deekshith P M	4	3
19	Filza Mehareen K P	3	4
20	Karthik K	3	6



classmate

Date \_\_\_\_\_

Page \_\_\_\_\_

- |    |                     |   |   |
|----|---------------------|---|---|
| 21 | Muhammed Reshan A.N | 3 | 7 |
| 22 | Nafla Mehlin N.P    | 2 | 4 |
| 23 | Nazih Raihan K      | 4 | 4 |

*Aiswarya Paul*

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## Grade 3

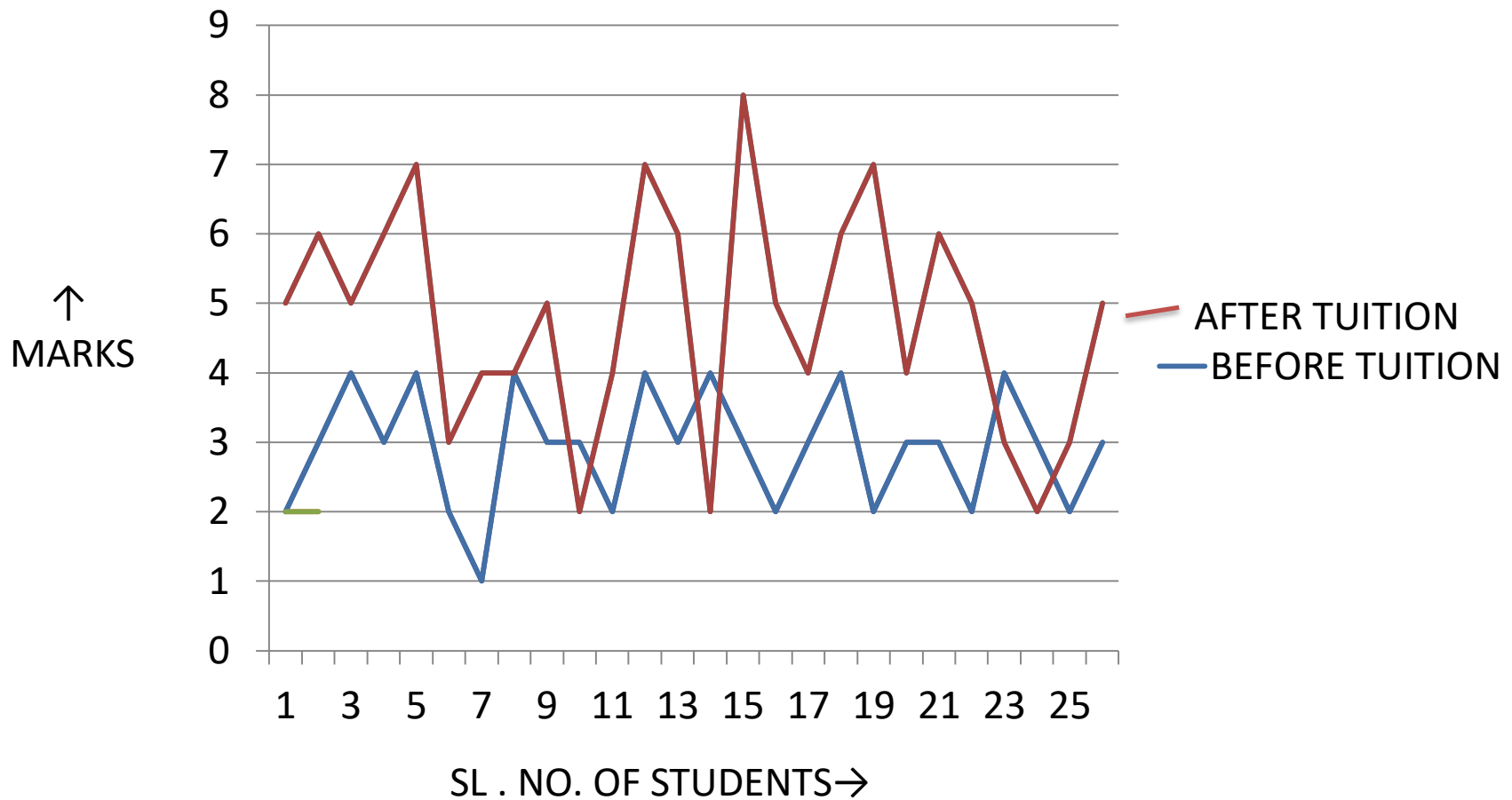
S No	Name	Score before guidance	Score after guidance
1.	Ashmi Surya	3	5
2.	Ayisha Misri	2	4
3.	Hanna Mariyam A	4	6
4.	Hawasha Hasmin N	2	6
5.	Mithra Kaliani P	3	7
6.	Muhammed Midhlaj T P	2	3
7.	Muhammed Nishal C	3	3
8.	Nived M	4	5
9.	Punnya K	4	8
10.	Aregha T. N	3	6
11.	Man Dev P T	4	3
12.	Muhammed Hamiz N. V	4	4
13.	Muhammed Hilal	3	7
14.	Muhammed Shafeeq PM	3	2
15.	Aby Leo Andrews	4	5
16.	Al - Ameen M	4	7
17.	Hadhi Ramzan K V	4	4
18.	Hanan Zakeena V	3	8
19.	Ismath Mariyam K	2	2
20.	Muhammed Inzan CP	4	7

*W. Kodu*

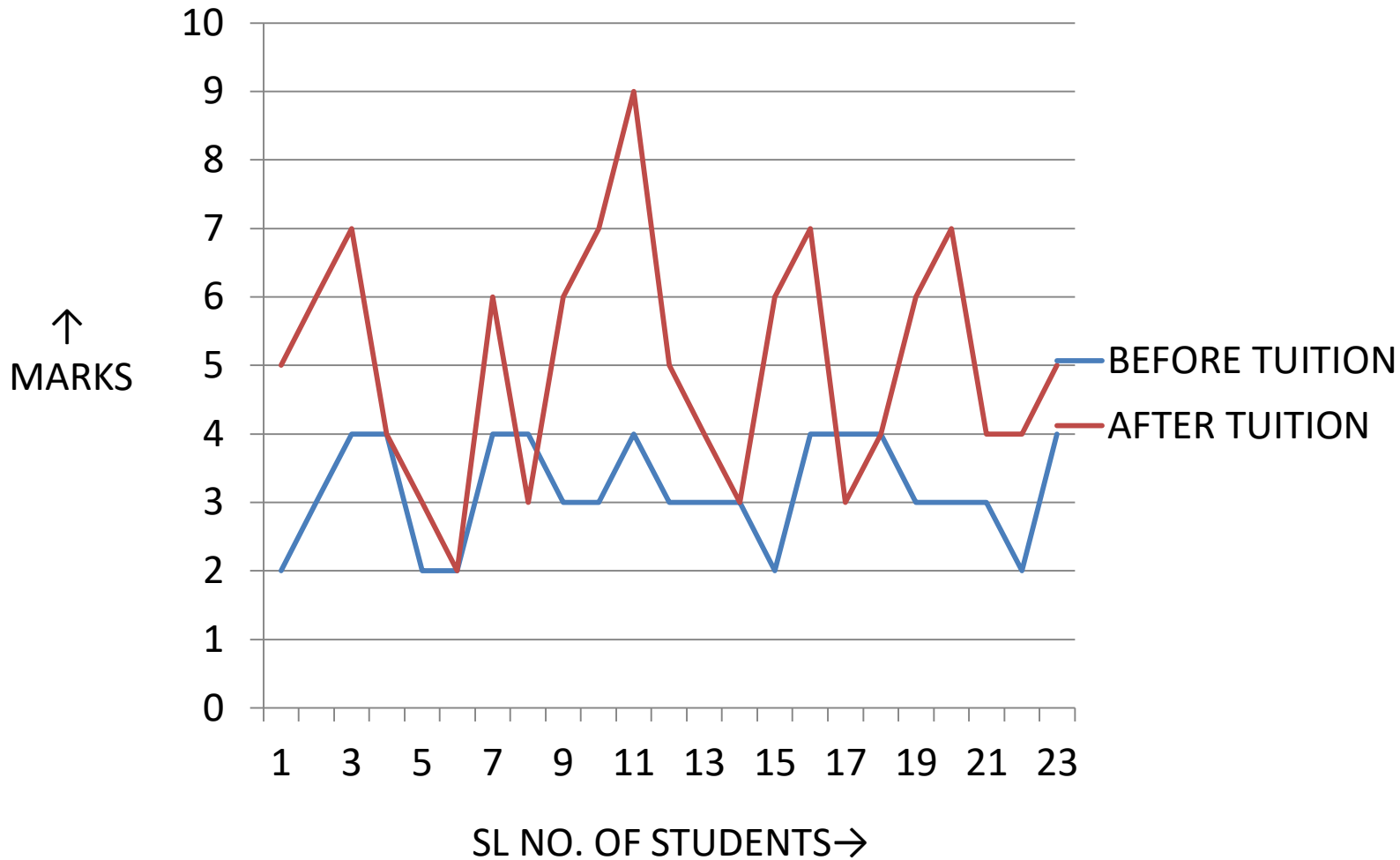
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# IQ LEVEL COMPARISON OF GRADE 1 BEFORE AND AFTER TUITION



# IQ LEVEL COMPARISON OF GRADE 2 AFTER AND BEFORE TUITION



# IQ LEVEL COMPARISON OF GRADE 3 AFTER AND BEFORE TUITION

