St. Mary's College (Autonomous), Thoothukudi.

(Re-accredited with A$^+$ grade by NAAC)

Department of Mathematics (SSC)

in Collaboration with

EXAM 360
Coimbatore

Offers

Certificate Course

on

Numerical Ability and Quantitative Aptitude
Subject Code : 21CSMT51

Introduction

Numerical Aptitude refers to an individual capacity to quickly perform mathematical operations. Numerical Aptitude is one of several cognitive abilities that a person can have a strong preference for, or capacity, to perform. A person with Numerical Aptitude can perform mathematical computations quickly.

Learning Objectives

This course is designed to suit the need of the outgoing students and to acquaint them with frequently asked patterns in quantitative aptitude and logical reasoning during various examinations and campus interviews.

Learning Outcome

On successful completion of the course the students will be able to
- Understand the basic concepts of quantitative ability and logical reasoning skills.
- Acquire satisfactory competency in use of reasoning.
- Solve problems related to Quantitative Aptitude and Logical Reasoning Ability.
- Crack various competitive exams like UPSC, TNPSC & Bank exams.

Training Module

Duration: 30 hours(2 hours per day)
- Coding & Decoding
- Ranking
- Distance and Direction
- Data Sufficiency
- Circle and Straight line Seating arrangement

- Puzzle
- Syllogism
- Average and Age related problems
- Profit and loss
- Simple & Compound Interest
- Time and Distance
- Time and Work
- Pie Chart
- Permutation and Combination

Training Methodology

- ✓ Student –Centered
- ✓ Flipped Classroom
- ✓ Cooperative Learning
- ✓ On-the-job oriented training methods
- ✓ Knowledge-Based Method
- ✓ Personalized Education

Assessment

- ➢ MCQ based Examination
- ➢ Assignments

Instructor

Mr. Charles Sejo
Academic Director,
Exam 360,Coimbatore

Staff Incharge

Ms. P Suganya
Assistant Professor of Mathematics,
St. Marys's College(Autonomous),
Thoothukudi.

Semester V
Certificate Course – Numerical Ability and Quantitative Aptitude

Hrs/week : 10	Hrs/ Sem : 30

Unit I

      Coding – Decoding – Series – Inequality – Ranking – Distance and Direction – Blood Relationship

Unit II

      Symbols and Notation – Data sufficiency – Circle seating arrangement – Straight line seating arrangement – Puzzle

Unit III

      Syllogism – Input – Output – Alphabet – Schedule day/date/time

Unit IV

      Fraction – Average and Age related problems- Profit and loss – Simple interest- Compound interest – Time and Distance

Unit V

      Time and Work – Partnership – Equation Problem – Pie chart – Bar chart – Table chart – Line chart – Permutation and Combination

Text Book

1. Rapid Quantitative Aptitude, Er. Deepak Agarwal and Mr. D. P. Gupta

ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

Department of Mathematics SSC

Certificate Course

III B.Sc. Mathematics

Course Schedule

Course Title : Numerical Ability and Quantitative Aptitude   **Year : 2021 - 2022**

Instructor : Mr. S. Charles Sejo

S.No.	Date
1	5.7.21
2	6.7.21
3	7.7.21
4	8.7.21
5	9.7.21
6	12.7.21
7	13.7.21
8	14.7.21
9	15.7.21
10	16.7.21
11	19.7.21
12	20.7.21
13	22.7.21
14	23.7.21
15	26.7.21

Report of the Certificate Course 2021-2022

Numerical Ability and Quantitative Aptitude was offered as Certificate Course by the Department of Mathematics(SSC) from 5 July 2021 – 26 July 2021 to the III year B.Sc. Maths SSC students. Mr. S. Charles Sejo was the Instructor and the course was held through Google Meet from 10 am to 12 pm. The students were made to appear for a written test at the end of the programme and certificates were issued with Grade levels according to their percentage of attendance. 36 students benefitted out of this programme.

Grade Sheet

Course Title : Numerical Ability and Quantitative Aptitude

Year : 2021-2022

Instructor : Mr. S. Charles Sejo

S.No.	Names	Register Number	Grade
1	Adeline Anisha.A	19SUMT01	O
2	Amutha Valli.B	19SUMT02	A
3	Auncy Ferdina . J	19SUMT03	A
4	Annamalai . M	19SUMT04	A
5	Anushya Devi . S	19SUMT05	B
6	Arthi . S	19SUMT06	B
7	Bhavadharshini .M	19SUMT07	A
8	Crosslin Niranjana.A	19SUMT08	B
9	Esther . S	19SUMT09	A
10	Esther Angel . P	19SUMT10	B
11	Florence Steffy . B	19SUMT11	A
12	Gnana Malar . S	19SUMT12	A
13	Jenifer Sowmiya . I	19SUMT13	A
14	Jenishlin Oida . S	19SUMT14	B
15	Karthigai Durga . S	19SUMT15	A
16	Kaviya . K	19SUMT16	A
17	Malathi . T	19SUMT18	A
18	Manjula .M	19SUMT19	A
19	Maria Vijilious Mancy . K	19SUMT20	B
20	Murugalakshmi .R	19SUMT21	A
21	Muthu Jerome . G	19SUMT22	A
22	Muthu Mari . R	19SUMT24	A
23	Nisha . K	19SUMT25	B
24	Padmashri .N	19SUMT27	B
25	Pavithra . D	19SUMT28	A
26	Poorana Priyadharshini . S	19SUMT29	B
27	Princy . A	19SUMT30	A
28	Ragavi . M	19SUMT32	A
29	Raja Rajeswari . S	19SUMT33	A
30	Reetha Shivani . S	19SUMT34	A
31	Selva Anushya Beuvin . V	19SUMT36	B
32	Shanmugapriya . P	19SUMT37	B
33	Varshini . S	19SUMT38	B
34	Vharsha Thirumeniathan	19SUMT39	B
35	Vijaya Iswarya . S	19SUMT40	A
36	Vinothini . V	19SUMT41	A

Course Title: Numerical Ability and Quantitative Aptitude
Course Instructor: S.Charles Sejo
Course Incharge: P.Suganya

III B.Sc. MATHEMATICS (SSC) - 2021 - 2022

S.No.	Name	Reg.No.	05.07.2021 10 - 12 P.M (2 hours)	6.07.	7.7.	8.7.	9.7.	12.7	13.7	14.7
1	ADELINE ANISHA	19SUMT01	X	X	X	X	X	X	X	X
2	AMUTHA VALLI	19SUMT02	A	A	A	A	X	X	X	X
3	AUNCY FERDINA	19SUMT03	X	X	X	X	X	X	X	X
4	ANNAMALAI	19SUMT04	X	X	A	A	X	X	X	X
5	ANUSHYA DEVI	19SUMT05	X	X	X	A	X	X	X	X
6	ARTHI	19SUMT06	X	X	X	X	X	X	X	X
7	BHAVADHARSHIN	19SUMT07	X	X	X	X	X	X	X	X
8	CROSSLIN NIRANJ	19SUMT08	X	X	X	X	X	X	X	X
9	ESTHER	19SUMT09	X	A	A	A	X	X	X	X
10	ESTHER ANGEL	19SUMT10	X	X	X	X	X	X	X	X
11	FLORENCE STEFFY	19SUMT11	X	X	X	X	X	X	X	X
12	GNANA MALAR	19SUMT12	X	X	X	X	X	X	X	A
13	JENIFER SOWMIYA	19SUMT13	A	X	X	X	X	X	X	X
14	JENISHLIN OIDA	19SUMT14	X	X	X	X	X	X	X	X
15	KARTHIGAI DURG	19SUMT15	X	A	X	X	X	X	X	X
16	KAVIYA	19SUMT16	X	X	X	X	X	X	X	X
17	MALATHI	19SUMT18	A	X	X	X	X	X	X	X
18	MANJULA	19SUMT19	X	X	X	X	X	X	X	X
19	MARIA VIJILIOUS	19SUMT20	X	X	X	X	X	X	X	X
20	MURUGALAKSHM	19SUMT21	A	X	X	X	X	X	X	X
21	MUTHU JEROME	19SUMT22	X	X	X	X	X	X	X	X
22	MUTHU MARI	19SUMT24	X	X	X	X	X	X	X	X
23	NISHA	19SUMT25	X	X	X	X	X	X	X	X
24	PADMASHRI	19SUMT27	X	X	X	X	X	X	X	X
25	PAVITHRA	19SUMT28	X	X	X	X	X	X	X	X
26	POORANA PRIYAD	19SUMT29	X	X	X	X	X	X	X	X
27	PRINCY	19SUMT30	X	X	X	A	X	X	X	X
28	RAGAVI	19SUMT32	X	X	X	X	X	X	A	X
29	RAJA RAJESWARI	19SUMT33	X	X	X	X	X	A	X	X
30	REETHA SHIVANI	19SUMT34	X	X	X	X	X	X	X	X
31	SELVA ANUSHYA	19SUMT36	X	X	X	A	X	X	A	A
32	SHANMUGAPRIYA	19SUMT37	X	X	A	X	X	X	X	A
33	VARSHINI	19SUMT38	A	X	X	X	X	X	X	X
34	VHARSHA THIRUM	19SUMT39	A	X	X	X	X	X	X	X
35	VIJAYA ISWARYA	19SUMT40	X	X	X	X	X	X	X	X
36	VINOTHINI	19SUMT41	X	X	A	A	A	X	X	A

15.7.	16.7.	19.7.	20.7.	22.7.	23.7.	26.7.21
X	X	X	X	X	X	X
A	A	X	X	A	X	X
X	X	A	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	A	X	A	A	X
X	A	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
X	X	X	X	X	X	X
A	A	X	X	X	X	X
X	A	X	X	X	X	X
X	X	X	X	A	A	X
X	A	X	X	X	X	X
X	X	X	X	X	X	X
X	A	X	X	X	X	X

ST. MARY'S COLLEGE (AUTONOMOUS), THOOTHUKUDI

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CAREER ORIENTED PROGRAMME

CERTIFICATE

This is to certify that Ms. **Varsha Thirumeniathan** of **III BSc Mathematics (SSC)**

has actively participated and successfully completed a course on **Numerical Ability and**

Quantitative Aptitude conducted for the academic year

20 **21** - 20 **22** with **B** Grade.

Instructor

Instructor

Lucia Rose
Principal
St. Mary's College (Autonomous)
Thoothukudi - 628 001.

Principal