



SARADHA GANGADHARAN COLLEGE
(Affiliated to Pondicherry University)
(Recognized by UGC under Section 2(f) of the UGC Act 1956 as PG Institution)
NAAC Accredited Institution
ISO 9001:2015 CERTIFIED INSTITUTION
DEPARTMENT OF MATHEMATICS (UG)

ADD-ON / CERTIFICATE COURSE IN GENERAL APTITUDE

From the Session 2020-2021 onwards

ELIGIBILITY FOR CERTIFICATE COURSE

Students at the under graduate level form Arts and Science Stream can opt for Certificate course. Student can take Add-on Course only during graduation.

WORK LOAD & DISTRIBUTION OF MARKS

1. There will one theory paper of 100 marks.
2. The paper shall have 100 marks and out of 100 marks theory paper shall consist of 80 marks based Internal Theory Examination and 20 marks internal marks based upon Class participation, Attendance and Assignments.
3. There shall be 5 lectures per week.
4. Internal based Examination.

Instructions for paper setters

Examiner will be required to set 40 objective type questions. Questions must covering the entire syllabus and will carry 02 marks. In addition to that all questions are compulsory question, there will be 2 units i.e. Unit-I & Unit II. Student will be required to attempt ALL questions. There is no negative marking for wrong answers.

Paper Code	Name	Exam Marks	Internal Marks	Max. Marks
1	General Aptitude	80	20	100

SYLLABUS

UNIT I

1. **Simplification and Approximation**
(a). The BODMAS rule - Simplified the equations – missing number
2. **Ratio and Proportion, Indices and Logarithms**
Ratio and Proportion (Business Applications related to Ratio and Proportion}, Laws of Indies, Exponents and Logarithms and Anti Logarithms

3. Percentage

4. Profit and Loss

5. Simple Interest

6. Compound Interest

7. Average

8. Permutation and Combination

Basic concepts of Permutations and Combinations: Introduction, the Factorial, Permutations, results, Circular Permutations, Permutations with restrictions, Combinations with standard results.

9. Number Series

10. Probability

Independent and dependent events: mutually exclusive events. Total and Compound Probability and Mathematical Expectation.

11. Equations and Matrices

(a) Equations: Simultaneous linear equations up to three variables, Quadratic and Cubic equations in one variable.

(b) Matrices: Algebra of Matrices, Inverse of a Matrix and determinants solving system of equations by Cramer's Rule (involving not more than three variables).

12. Sequence and Series

Introduction Sequences, Series, Arithmetic and Geometric progression, Relationship between AM and GM and Sum of n terms of special series.

13. Sets, Functions and Relations

Sets, Venn Diagrams, Product Sets, Relations and Functions, Domain & Range of a Function, Various Types of Function.

UNIT II

1. Time and Work
2. Pipes and Cistern
3. Speed, Time and Distance
4. Boat and Stream
5. Mixture and Alligation
6. Mensuration
7. Quadratic Equation
8. Data Interpretation
9. Data Sufficient
10. Partnership

Mathematics and Statistics applications are very important for the student of Science, in future will demand analytical and quantitative skills. Through this course of Business Mathematics, Logical Reasoning and Statistics, it is intended to develop analytical ability of the students using basic mathematical and statistical techniques.

By this, students will be equipped with the knowledge to absorb various concepts of other subjects of this general aptitude course like ratio, proportion, profit and loss, simple interest and compound interest, equations, sequence and series, permutation and combination, Time and Work, Speed, Time and Distance, Partnership etc. This course will help the students to prepare for the Foundation examination.

Objectives:

To develop an understanding of the basic mathematical and statistical tools and their application in Business, Finance and Economics.

To develop logical reasoning skills and apply the same in simple problem solving.

Importance of this Course:

Taking the right decision, at the right time and place, is important, particularly for those in management and administrative positions. Quick decision-making requires mental alertness and the ability to quickly interpret data, establish logical relationships, arrive at the correct conclusions, make the right judgement and also plan carefully for the future. Organisations that are recruiting employees or selecting students for higher study are keen to get people with these mental characteristics. Most organizations and institutions today use mental ability, intelligence and quantitative aptitude tests to help them select the right candidate. This course will help to the students to get the highest score in the entrance tests conducted by the UPSC, Banking Board, management colleges, public and private sector organizations and many, many more.

Reference Books:

Quantitative Aptitude – Dr. R.S. Aggarwal

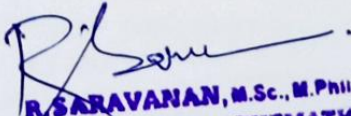
Course in Mental Ability and Quantitative Ability-Edgar Thorpe

Quantitative Aptitude – Abhijit Guha

Add-on/Certificate Course: **General Aptitude**

Course Code	MTGA-01
Date of Commencement	22.02.2021

Co-ordinator
R. Muthusil


R. SARAVANAN, M.Sc., M.Phil.
HEAD, DEPT. OF MATHEMATICS,
SARADHA GANGADHARAN COLLEGE
UDUCHERRY-605 004



S No	Register No	Name of the Student	Date																															Total No. of days	Total Present	Percentage			
			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						
1	1201001	ANURAG . B																																	4	4	100		
2	1201003	RAJAT . J																																		4	4	100	
3	1201004	SHRADDHA . M																																		4	4	100	
4	1201005	DEBANGALI . C																																		4	4	100	
5	1201007	DIWYA . J																																		4	4	100	
6	1201008	ENAYAT . P																																			4	4	100
7	1201009	SHILPA . R																																			4	4	100
8	1201010	SHRUTI . A																																			4	4	100
9	1201012	NEHA . M																																			4	4	100
10	1201013	MANU . Y																																			4	4	100
11	1201018	MANU . J																																			4	4	100
12	1201019	NEHA . B																																			4	4	100
13	1201024	NEHA . J																																			4	4	100
14	1201025	NEHA . K																																			4	4	100
15	1201026	ANURAG . B																																			4	4	100
16	1201027	ANURAG . B																																			4	4	100
17	1201028	PRANAV . D																																			4	4	100
18	1201034	PRANAV . S																																			4	4	100
19	1201037	PRANAV . D																																			4	4	100
20	1201039	PRANAV . P																																			4	4	100
21	1201044	PRANAV . V																																			4	4	100
22	1201050	PRANAV . K																																			4	4	100
23	1201051	PRANAV . M																																			4	4	100
24	1201052	PRANAV . J																																			4	4	100
25	1201053	PRANAV . S																																			4	4	100
26	1201054	PRANAV . J																																			4	4	100
27	1201055	PRANAV . P																																			4	4	100
28	1201056	PRANAV . B																																			4	4	100
29	1201057	PRANAV . P																																			4	4	100
30	1201058	PRANAV . P																																			4	4	100
31	1201059	PRANAV . P																																			4	4	100

Co-ordinator
R. Subhish

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		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						
1	ISM10T01 ANUSHTA B	X	X	/	/	/	X	/	/	/																								8	17	81.17		
2	ISM10T03 BALAJI . T	X	X	/	/	/	X	/	/	/																									8	17	81.17	
3	ISM10T04 SAUNDHARANI L	X	X	/	/	/	X	/	/	/																									6	15	81.17	
4	ISM10T05 DHANALAKSHMI C	X	X	/	/	/	X	/	/	/																									6	15	81.17	
5	ISM10T07 DIVYA . S	X	X	/	/	/	X	/	/	/																									8	17	81.17	
6	ISM10T08 ENIVAN P	X	X	/	/	/	X	/	/	/																									8	17	81.17	
7	ISM10T09 EZHIL SELVAN R	X	X	/	/	/	X	/	/	/																									9	18	81.17	
8	ISM10T10 GAYATHRI . A	X	X	/	/	/	X	/	/	/																									5	14	81.17	
9	ISM10T16 MAHALAKSHMI M	X	X	/	/	/	X	/	/	/																									6	17	81.17	
10	ISM10T17 MAJITHU V	X	X	/	/	/	X	/	/	/																									7	16	81.17	
11	ISM10T18 MUDALIKA S	X	X	/	/	/	X	/	/	/																									8	17	81.17	
12	ISM10T19 KADHIYA G	X	X	/	/	/	X	/	/	/																									7	16	81.17	
13	ISM10T20 KARUNINI . S	X	X	/	/	/	X	/	/	/																									8	17	81.17	
14	ISM10T21 KIDMAL KUMAR . K	X	X	/	/	/	X	/	/	/																										9	18	81.17
15	ISM10T22 KUSHNA . B	X	X	/	/	/	X	/	/	/																										9	18	81.17
16	ISM10T23 KURESHA M	X	X	/	/	/	X	/	/	/																										8	17	81.17
17	ISM10T25 PARVATHI SUDHANA . B	X	X	/	/	/	X	/	/	/																										9	18	81.17
18	ISM10T26 PAULITHA . G	X	X	/	/	/	X	/	/	/																										9	18	81.17
19	ISM10T27 PREETHI . B	X	X	/	/	/	X	/	/	/																										8	17	81.17
20	ISM10T29 PREMA SATHI P	X	X	/	/	/	X	/	/	/																										9	18	81.17
21	ISM10T30 PRIYADINKSHINI . V	X	X	/	/	/	X	/	/	/																										7	16	81.17
22	ISM10T31 PUSHPALAKSHI . V	X	X	/	/	/	X	/	/	/																										7	16	81.17
23	ISM10T32 RAJESWARI . M	X	X	/	/	/	X	/	/	/																										9	18	81.17
24	ISM10T35 SAKTHYKUMARI . S	X	X	/	/	/	X	/	/	/																										8	17	81.17
25	ISM10T36 SATHISH . S	X	X	/	/	/	X	/	/	/																										8	17	81.17
26	ISM10T38 SELVAVATHI . S	X	X	/	/	/	X	/	/	/																										5	14	81.17
27	ISM10T41 SINDHU P	X	X	/	/	/	X	/	/	/																										6	15	81.17
28	ISM10T43 SUBITHA . B	X	X	/	/	/	X	/	/	/																										6	15	81.17
29	ISM10T50 VASUNDHARA P	X	X	/	/	/	X	/	/	/																										4	15	81.17
30	ISM10T52 VIDYA . A	X	X	/	/	/	X	/	/	/																										4	15	81.17
31	ISM10T53 VINITHA SATHI . V	X	X	/	/	/	X	/	/	/																										4	15	81.17

Ce - extuctor
D. Muthusai.

R. Saravanan
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The following students are successfully completed the Add-on-Course (GENERAL APTITUDE) conducted by the Department of Mathematics (UG) during February 2021 to April 2021.

S.No.	REG. NO.	NAME OF THE STUDENT
1	18MT0701	ANUSHYA B
2	18MT0703	BALAJI J
3	18MT0704	BAVADHARANI L
4	18MT0705	DHANALAKSHMI C
5	18MT0707	DIVYA S
6	18MT0708	ENIYAN P
7	18MT0709	EZHILSELVAN R
8	18MT0710	GAYATHRI A
9	18MT0716	MAHALAKSHMI M
10	18MT0717	MANJU V
11	18MT0718	MOWNIKA S
12	18MT0719	NADHIYA G
13	18MT0720	NANDHINI S
14	18MT0721	NIRMALKUMAR K
15	18MT0722	NISHA D
16	18MT0723	NIVEDHA M
17	18MT0725	PARVEEN SULTHANA D
18	18MT0726	PAVITHRA G
19	18MT0727	PREETHI D
20	18MT0729	PREMA JOTHI P
21	18MT0730	PRIYADHARSHINI V
22	18MT0731	PUSHPARAJ R
23	18MT0732	RAJESWARI N
24	18MT0735	SANJAYKUMAR S
25	18MT0736	SATHISH C
26	18MT0738	SELVAVATHI S
27	18MT0741	SINDUJA P
28	18MT0743	SUBITSHA B
29	18MT0750	VASUNDARA P
30	18MT0752	VIDYA A
31	18MT0753	VISHNU VARTHAN V

R. Muthuseli
CO-ORDINATOR

B. Saravan
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