SAINTGITS COLLEGE OF APPLIED SCIENCES

VALUE ADDED COURSES 2017-'18

FOUNDATIONS IN
MATHEMATICS

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ABOUT THE COURSE

Mathematics is the study of numbers, shapes and patterns. The knowledge acquired by the student is greatly used for solving problems. The students can always verify the validity of mathematical rules and relationships by applying them to novel situations.

OBJECTIVES

The primary objective is to provide the basic concepts and applications of Mathematics suited to the needs of students appearing in the competitive examinations.

EXPECTED OUTCOMES

- Understand the basic concepts of quantitative ability.
- Understand the basic concepts of logical reasoning skills.
- Solve campus placement aptitude papers covering quantitative ability, logical reasoning and verbal ability.

DURATION

Total Duration: 30

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THIS COURSE IS USED TO ASSESS CANDIDATES REGARDING THEIR SKILLS, KNOWLEDGE, ABILITY AND PERSONALITY. APTITUDE TESTS ARE AN ACCURATE WAY OF PREDICTING THE POTENTIAL CONTRIBUTION OF A CANDIDATE AND THE LIKELIHOOD OF THEM ACHIEVING SUCCESS WITHIN THE ORGANIZATION.

FEATURES

- Combination of characteristics indicative of an individual capacity to acquire somespecific knowledge and skill.
- With the development of mathematical reasoning, students recognizethat mathematics makes sense and can be understood.
- They learn how to evaluate situations, select problem-solving strategies, draw logical conclusions, develop and describe solutions, and recognize how those solutions can be applied.

SYLLABUS

Time & Distance, Time & Work, Direction, Coding Decoding ,Problems based on Number &LetterSeries, Ratio,Proportion,Number System, LCM , HCF, Simplification, Blood Relation, Clock Problem ,Simple Interest, Compound Interest, Profit and Loss, Percentage

ADVANTAGES

Mathematics helps us to think analytically and to have better reasoning abilities. Analytical thinking refers to the ability to think critically about the world around us. It improves reasoning ability, which provides better job opportunities in Banking sector, Finance, etc.

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SAINTGITS COLLEGE OF APPLIED SCIENCES

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SAINTGITS COLLEGE OF APPLIED SCIENCES

Value Added Course

FOUNDATION IN MATHEMATICS

Course Code - VMTHFIM001

Mathematics is defined as the science of quantity, measurement and spatial relations. It deals with quantitative facts, relations as well as with problems involving space and form. The knowledge acquired by the student is greatly used for solving problems. The students can always verify the validity of mathematical rules and relationships by applying them to novel situations. Concept and principles become more functional and meaningful only when they are related to actual practical applications. Such a practice will make the learning of mathematics more meaningful and significant.

The course will give knowledge inputs to the candidates and expose them to the operational processes and daily life. The primary objective is to provide the basic concepts and applications of Mathematics suited to the needs of students appearing in the competitive examinations. There are several topics that could be included; the ordering of the chapters reflects the most desirable sequence of topic average, while at the same time allowing for flexibility in the choices of topics.

Salient Features

- To provide students an integrated view of theory and applications of mathematics.

- High quality academic rigour and specially prepared courseware.

- Enable students to learn at their own pace.

- The course will make the candidates job ready.

- The course is so designed that most employers would value it for talent scouting.

Syllabus:

Quantitative Aptitude

Numbers, HCF and LCM, Fraction, Ratio and Proportion, Percentage, Profit and Loss, Simple and Compound Interest , Distance and Time, Work and Time, Area and Volume

Mental Ability and Test of Reasoning

Letter and Number Series, Blood Relation, Coding – Decoding, Sense of Direction, Seating Arrangement

Learning Materials:

1. Text Books, Work book.

2. Handouts that aid better understanding of the subject.

3. Home assignments in relevant topics.

4. Reference books

Instructional Techniques:

1. Lecture Format

2. Theory and solved problem format

3. Blackboard

STUDENTS ATTENDANCE

Roll No	Name	Month											
		Date											
		Hour											
1	Anu Varghese												
2	Binsy Mariam Mathews												
3	Teeba Biju												
4	Aabid Ashraf												
5	Gopikrishna S												
6	Arun Kurakose												
7	Ephraim Joseph												
8	Cheren Babu												
9	Jessica Maria												
10	Irfan Jose Mathew												
11	Beryl Geo Biju												
12	Anu G Saji												
13	Greeta Anna Anujan												
14	Joshna Leela Jacob												
15	Namarita Idiculla												
16	Rinna Annie												
17	Milta Mariyam Jacob												
18	Kripa Sara												
19	Suhana Illias												
20	Noel Shaji												
21	Sharon Jaya Abraham												
22	T Muhammed Aghaadh												
23	Naveen Joshi S												
24	Naveen K Kishore												
25	Sahana K S												
26	Shaan Ann Shibu												
27	Philip Joe Paul												
28	Kevin Yohan John												
29	Anal Anish												
30	Rishma Mariam Zachariah												

Name of the Faculty & Signature

bhavana Somsikha
shashikala Praveen
Sheeja K S

Signature of the lecturer incharge

12

13

TA - Total Absent

STUDENTS ATTENDANCE

Roll No	Name	Month	Date	Hour																	
		12	6	2																		
		12	6	3																		
31	Nikhil Binu				✗	✗	✗	✗	✗	✗	✗	✗									
32	Akhil Biju				✗	✗	✗	✗	✗	✗	✗	✗									
33	Akhila Anilkumar				✗	✗	✗	a	✗	✗	✗	✗									
34	Alina Rachel Achankunju				✗	✗	✗	a	✗	✗	✗	✗									
35	Amal Alex				✗	✗	✗	✗	✗	✗	✗	✗									
36	Amrit B. John				✗	✗	✗	✗	✗	✗	✗	✗									
37	Anay Varghese				✗	✗	✗	A	✗	✗	✗	✗									
38	Anand Joseph				✗	✗	✗	✗	A	✗	✗	✗									
39	Jesmon Jha				✗	✗	✗	✗	✗	✗	✗	✗									
40	George Varghese				✗	✗	✗	✗	✗	✗	✗	✗									

Name of the Faculty & Signature

Signature of the lecturer incharge

Suya K S

STUDENTS ATTENDANCE

																			TA
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗										
✗	✗	✗	✗	✗	✗	✗	✗	a	✗										
✗	✗	✗	✗	a	a	✗	✗	✗	✗										
✗	✗	✗	✗	a	a	✗	✗	✗	✗										
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗										
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗										
✗	✗	✗	✗	✗	✗	✗	✗	✗	a										
✗	✗	✗	✗	✗	✗	✗	✗	a	✗										
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗										
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗										

TA - Total Absent

Roll No	Name	Month	Date	Hour
1.	Akhila Thomas Abraham			
2.	Anand P			
3.	Beery Elsa Mathew			
4.	Chippy Ann Jacob			
5.	Jeena P. Charles			
6.	Jisha Kurjamma			
7.	Joban John K			
8.	Athul B. Varghese			
9.	John K. Raj			
10.	Amal Santhosh Abraham			
11.	Ebija Wilson			
12.	Parvathy R.			
13.	Sarah Jay Attupi			
14.	Sithara K Joseph			
15.	Neenu Thomas			
16.	Sini George			
17.	Tinku Tony Abraham			
18.	Kishumol U.S.			
19.	Sagar M Varughese			
20.	Rijin Roy Paul			
21.	Sujina Mathews Ninan			
22.	Libin P George			
23.	Sreehari V R			
24.	Pailby Biju			
25.	Sneha Mariam Jacob			
26.	Saurin Sudheesh			
27.	Tojo Saju Karoon			
28.	Sajan Babu			
29.				

Name of the Faculty & Signature

Vidya
Vidya R Nair

Signature of the lecturer incharge

12

*TA - Total Absent

13

STUDENTS ATTENDANCE

Roll No	Name	Month 12											
		Date	6	6	13	13	16	16	20	20	1	1	1
		Hour	2	2	3	2	3	2	3	3	2	3	2
29	Job Malayil Reji		x	x	x	x	x	x	x	x	x	x	x
30	John C Joseph		x	x	x	x	x	x	x	x	x	x	x
31	Milan Monty		x	x	A	x	x	x	x	x	x	x	x
32	Muhammed Faaiz N		x	x	x	x	x	x	x	x	x	x	x
33	Rohith Rajan Varghese		x	x	x	x	x	A	x	x	x	x	x
34	Sabhek Bajia J		x	x	x	x	x	x	x	x	x	x	x
35	Sneha Sunil		x	x	x	x	x	x	x	x	x	x	x
36	Susan Suresh		x	x	x	x	x	x	x	x	x	x	x
37	Tony Saju		A	x	x	x	x	x	x	x	x	x	x

Name of the Faculty & Signature	
Vidya	Vidya R Nair

STUDENTS ATTENDANCE

22	22	23	3	3	3	4	4	4	4	5	5	5	6	7	7	7	TA
21	28	28	3	3	7	7	21	4	4	7	8	9	10	10	10	15	16	17	17	21	21	24	25
3	2	3	2	3	2	3	3	2	3	2	3	2	3	3	3	T	T	T

(Detailed attendance marks continue as X and A across rows)