SAINTGITS COLLEGE OF APPLIED SCIENCES

VALUE ADDED COURSES 2020-'21

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 hours

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.

<u>Salient Features</u>

- 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.

<u>Syllabus:</u>

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
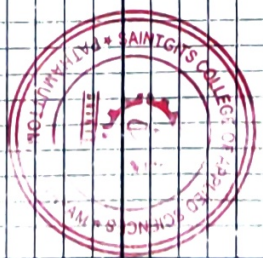
2. Theory and solved problem format

3. Blackboard

Roll No	Name	Month	12	12	12	12	1	1	1	1	1	1	1	2	2
		Date	15	11	29	30	5	6	12	13	19	20	21	2	3	9	22	22
		Hour	3	2	3	2	3	2	3	2	3	2	3	9	5
1	Jibin Johnson														
2	Jibin Jmal														
3	Jibu T														
4	Joel Reny														
5	Joel Raju														
6	Juli Joseph														
7	K.K Ridukarshini														
8	Ken Jacob														
9	Kevin Kurian														
10	Kevin Varghese														
11	M.H Haffin														
12	Mahima Manohar														
13	Mahima Mary														
14	Meagha														
15	Megha Elsa														
16	Merlin Maria														
17	Mohammed Farhan														
18	Muhammed Azhar														
19	Muhammed Thameem														
20	Nadeer Noushad														
21	Neerala Raju														
22	Neha Navila														
23	Nithin Mathew														
24	Parvathy Madhu														
25	Pearl Alex Alex														
26	Parvay Premod														
27	Reshma Elsa														
28	Rohaan Biju														
29	Rohan Tajith														
30	Rohith Biju														

Name of the Faculty & Signature

Hima Armi Jose

Signature of the lecturer incharge

T.A - Total Absent

Roll No		Month	12	12	12												
		Date	15	14	21	30	5	6	17	13	17	20	27	2	3	9	10
		Hour	3	3	2	3	3	2	3	2	2	9	5	3	2	3	5
31	Rohit Daniel		X	X	a	X	a	X	a	X	X	X						
32	Ron Mathew		X	X	X	X	X	X	X	X	X							
33	Ruth Solomon		X	X	X	X	X	X	X	a	a	a	X	X	a	a	X	a
34	Saba Shahar		X	X	X	X	X	X	X	a	X	X	X	X	X	X		
35	Sandhya Shankar		X	X	X	X	a	a	X	X	X	X						
36	Sanchta Santhosh		X	X	X	X	X	X	a	X	X	X						
37	Shawan John		a	a	X	a	X	X	X	a	a	X	X	X				
38	Shalvi Chenathu		X	X	X	X	X	X	X	X	X	X	a	a	X	a		
39	Shani		X	X	X	X	X	a	X	X	X	a	a	X				
40	Shreya Marian		X	X	X	X	X	X	a	a	X	X	a	a	a			
41	Shydan Krishnan		X	X	X	X	a	a	a	a	a	a	a	a	a			
42	Siddharth R		X	X	X	X	a	a	a	a	a	a	a	a	X			
43	Sneha		X	X	X	a	a	a	a	a	a	a	a	X				
44	Stella Jara		X	X	a	a	a	a	a	a	a	a	a	X				
45	Titu Thomas		a	a	X	a	a	a	a	a	a	a	a	X				
46	Tony Mathai		a	a	a	a	a	a	a	a	a	a	a	X				
47	Vikas		a	a	a	a	a	a	a	a	a	a	a	X				

			9	2	2	2	3	3	4	4	4	4	4
			16	17	18	24	1	20	27	3	17	19	20	27
			3	6	3	6	6	6	6	6	5	6	6

Name of the Faculty & Signature

Selina Anni Jose
Hima

Signature of the lecturer incharge

Selina Anni Jose
Hima

A- Total Absent

STUDENTS ATTENDANCE

Roll No	Name	Month 3
1	Abenana John	
2	Alaina Elizabeth	
3	Alea Roy	
4	Alen Thomas	
5	Amith Santhosh	
6	Anitha Sayamon	
7	Ann Bijul	
8	Annie Elizabeth	
9	Aryf Aig	
10	Ashley Ella	
11	Ashush Benoy	
12	Aysha Anspath	
13	Belsiamne Thomas	
14	Buja Susan	
15	Deepak Sureshkumar	
16	Devika Haridas	
17	Devika Tayaeh	
18	Divia Babu	
19	Emie Theesa	
20	Febba Merin	
21	Grayathu Viju	
22	Hannah Samuel	
23	Hisham Shibu	
24	Jeevam George	
25	Jeff Mathew	
26	Jesmy Anne	
27	Jest D Zachariah	
28	Joshua Shaji	
29	Kevin Koshy	
30	Lija Chesida	

Name of the Faculty & Signature

Sneya K S

Signature of the lecturer incharge

12   13

Roll No	Name	Month 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4	Attendance
		Date 7 10 17 20 22 24 27 31 7 12 17 20 21	
		Hour 2 2 2 3 2 2 3 2 2 3 2 3 2	
31	M.P. Pranav	
32	Mariann Cherian	
33	Melvin Elias	
34	Melvin Alex	
35	Mirrad Bin Hashim	
36	Neeha Biju	
37	Nikhil Krishna R	
38	Pervis Aman	
39	Pranthyosh Mani	
40	Rakeshdev RR	
41	Riya Elizabeth	
42	Ruha Mary	
43	Saileksh V	
44	Sharon Jacob	
45	Shan John	
46	Sidharth R	
47	Sony Sebastian	
48	Sreedev Nair	
49	Sreepragnathi J	
50	Steji Toji	
51	Swetha Mardan	
52	Tintu Mariam	
53	Twinkle Raichel	
54	Vijay Venugopal	
55	Vidyuth RJ	
56	Yohad Baiju	

Name of the Faculty & Signature

Signature of the lecturer incharge

Sreya KS

Roll No	Name	Month	Date	Hour
1	Aaron Benny Varghese			
2	Aaron Shaji			
3	Abhijith K Anish			
4	Abhishek K			
5	Abhya Rachel S			
6	Abraham Achaskaran			
7	Abraham John			
8	Ahina Fathima Abu			
9	Aishwarya Ann James			
10	Ajay Aju			
11	Akhil Sravia Kumar			
12	Alan K George			
13	Aland Andrew Thazhakatt			
14	Albin K Varghese			
15	Albin Uthuppan Abraham			
16	Alen Jacob Samuel Alex			
17	Alen Dommen Jose			
18	Ananthu Krishna U			
19	Angel Mathew			
20	Angela Ann Aby			
21	Anita Susan Ajo			
22	Anjana R			
23	Ann Rachel Ipe			
24	Anusha Mary Ginny			
25	Aron Tiku Joseph			
26	Asiya M. Manoj			
27	Ashish Tojo Thomas			
28	Aswin A			
29	Aswin Baby Varughese			
30	Athul Ogil M A			
31	Basil Jose			

Name of the Faculty & Signature

Sheza KS

Signature of the lecturer incharge

TA - Total Absent

Roll No	Name	Attendance
31	Blesson Cherian	
32	Brayan C Biju	
33	Britto T Mathew	
34	Calvin Stephen	
35	Charlott Sara Cherian	
36	Daniel Ragi Varghese	
37	Devlmol L D	
38	Divya Grace Sam	
39	Diya Lisbet Binoy	
40	Fathima Elzoo Cherian	
41	Emilia Mathew	
42	Eric Varghese Anil	
43	Esther Sarah Cherian	
44	Fahad N	
45	Feba Ana Raju	
46	Feba Elsa Sibob	
47	Felix Johnson	
48	Gayathri Venugopal	
49	Geoff Thomas Jais	
50	Jaift Das Dacby	
51	Jaison Philipose	
52	Jestin Mathew Varkey	

Name of the Faculty & Signature

Sneya KS

Signature of the lecturer incharge