GANPAT UNIVERSITY

FACULTY OF ENGINEEIRNG AND TECHNOLOGY

Programme	Bachelor of Technology	Branch/Spec.	Computer Engineering/Information Technology
Semester	V	Version	2.0.0.0
Effective from Academic Year	2020-21	Effective for the batch Admitted in	July 2018
Subject code	2HS5101	Subject Name	Aptitude Skill Building-I

Teaching scheme						Examination scheme (Marks)			
(Per week)	Lecture (DT)		Practical (Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	-	-	1	-	1	Theory	-	-	-
Hours	-	-	2	-	2	Practical	30	20	50

Pre-requisites:

Basic engineering mathematics and English

Objectives of the course:

1. Build a strong base in the fundamental mathematical concepts
2. Grasp the approaches and strategies to solve problems with speed and accuracy.
3. Gain appropriate skill to succeed and preliminary selection process for recruitment.
4. Collectively solve problems in teams and groups.
5. Enhance lexical skills through systematic application of concepts and careful analysis of style, usage, syntax, semantics and logic.

Syllabus

Unit	Content	Hrs
1	**Quantitative Ability I:** Height and Distance and Time Problems like Trains, Boats etc., Algebra, Inequalities and Absolute Values, Functions-Formulas, Sequences, Fractions and Decimals	06
2	**Quantitative Ability II :** Percent, Divisibility and Primes, Exponents and Roots, Word Problems, Two Variables Problems, Rates and Work, Ratios, Averages, Allegations and Mixtures, Pipes and Cistern	06
3	**Verbal Reasoning:** Vocabulary, Text Completions and Verbal Reasoning, Reading Comprehension, Logical Sequence of Words, Blood Relation Test, Venn Diagrams	06
4	**Logical Reasoning:** Number Series, Letter and Symbol Series, Artificial Language, Matching Definitions, Logical Problems, Logical Games & Puzzles	06
5	**Presentation Skill:** Preparing A Presentation, Organising The Presentation Material, Writing your Presentation, Working with Visual Aids, Presenting Data, Managing The Event, Dealing with Questions	06

Text Books

1.	Aggrawal R.S., "Quantitative Aptitude for Competitive Examinations", S Chand
2.	Sharma Arun, "How to Prepare for Verbal Ability and Reading Comprehension for CAT", McGraw Hill Education (India) Private Limited

Reference Books

1.	GuhaAbhijit, "Quantitative Aptitude for Competitive Examination", McGraw Hill Education India Private Limited
2.	Aggrawal R.S., "A Modern Approach to Logical Reasoning",S Chand
3.	Kumar Ajay, Kumar Anand, "General Aptitude Theory and Practice", Pathfinder Publication
4.	GKP, "GATE Engineering & Mathematics General Apptitude 2016", G.K. PUB
5.	Lewis Norman, "Word Power Made Easy", Goyal
6.	Anderson Marilyn, "Critical Thinking, Academic Writing and Presentation Skills: Mg University Edition", Pearson Education

Course Outcomes:

After successful completion of this course, student have

1. An ability to apply knowledge of mathematics, science and engineering.
2. An ability to function on multidisciplinary teams.
3. Recognition of the need for, and ability to engage in life-long learning.
4. An ability to identify, formulate and solve engineering problems.
5. An ability to communicate effectively.