GANPAT UNIVERSITY

FACULTY OF ENGINEERING & TECHNOLOGY

Programme	Bachelor of Science	Branch/Spec.	Nautical Science
Semester	III	Version	1.0.0.0
Effective from Academic Year	2021-22	Effective for the batch Admitted in	Oct 2020
Subject code	2HS501	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	0	0	1	0	1	Theory	0	0	0
Hours	0	0	2	0	2	Practical	25	25	50

Pre-requisites:

Basic engineering mathematics and English

Learning Outcome:

After learning this course each student would be able to:

- Understand and develop basic skill requires to solve fundamental practical problems related to maths
- Acquire satisfactory competency in use of two basic skills (Quantitative Ability and Logical Reasoning).
- Solve campus placements and various competitive aptitude papers covering Quantitative Ability and Logical reasoning

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	**08**
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	**08**
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	**08**
	Total	**36**

Practical content

Text Books

1.	Aggrawal R.S., "Quantitative Aptitude for Competitive Examinations", S Chand,20th edition (2013)
2.	Sharma Arun, "How to Prepare for Verbal Ability and Reading Comprehension for CAT", McGraw Hill Education (India) Private Limited; 2014 edition (2014)

Reference Books

1.	GuhaAbhijit, "Quantitative Aptitude for Competitive Examination", McGraw Hill Education India Private Limited, 5th edition (2014)
2.	Aggrawal R.S., "A Modern Approach to Logical Reasoning",S Chand, 1st edition (2007)
3.	Kumar Ajay, Kumar Anand, "General Aptitude Theory and Practice", Pathfinder Publication, 2016 edition (2016)
4.	GKP, "GATE Engineering & Mathematics General Apptitude 2016", G.K. PUB, 12th edition (2015)

5.	Lewis Norman, “Word Power Made Easy”, Goyal, Reprint edition (2011)
6.	Anderson Marilyn, “Critical Thinking, Academic Writing and Presentation Skills: Mg University Edition”, Pearson Education; 1st edition (2010)

Course Outcomes:

COs	Description
CO1	Demonstrate the use of a series of techniques necessary to analyze, compare, contrast, organize and execute verbal reasoning problems
CO2	Acquire satisfactory competency in use of Quantitative Ability
CO3	Acquire satisfactory competency in use of Logical Reasoning
CO4	Solve campus placements aptitude papers covering Quantitative Ability and Logical Reasoning
CO5	Deliver an enthusiastic and well-practiced presentation

Mapping of CO and PO:

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	2	1	2	1	2	1	3	3	1	2
CO2	3	3	2	1	2	1	2	1	3	1	1	2
CO3	3	3	2	1	2	1	2	1	3	1	1	2
CO4	3	3	2	1	2	1	2	1	2	2	1	2
CO5	3	3	2	0	0	0	0	1	3	3	0	3