

Course: VSC
Basics of Logical Reasoning

Semester: I	Credits: 2	Subject Code: CVSCQA12301	Lectures: 30
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Course Outcomes:

At the end of this course, the learner will be able to:

- CO1- Relate the basic concepts of quantitative aptitude to given problem.
- CO2 -Create critical thinking and problem-solving skills using logical reasoning
- CO3-Demonstrate problem solving skills by use of reasoning
- CO4-Solve problems related to general aptitude covering Quantitative Ability and Logical Reasoning
- CO5-Create computational skills essential to compete in various competitive exams like CAT, CMAT, GATE, GRE, GATE, UPSC, GPSC etc.

Unit 1: Basic Mathematics	15
<ul style="list-style-type: none"> ● Number Systems ● LCM and HCF ● Decimal Fractions ● Square Roots and Cube Roots ● Average ● Problems on Ages ● Surds & Indices ● Percentages ● Problems on Numbers 	


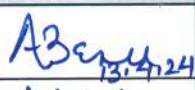
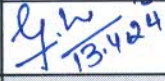
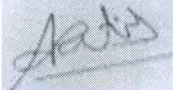
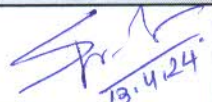
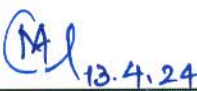
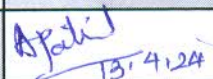
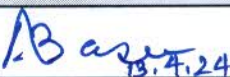
Unit 2: Logical Reasoning	15
<ul style="list-style-type: none"> ● Analogy ● Blood Relation ● Directional Sense ● Number and Letter Series ● Coding – Decoding ● Calendars ● Clocks ● Venn Diagrams ● Seating Arrangement ● Mathematical Operations 	



Board of Studies	Department	Name	Signature
Chairperson (HoD)	Mathematics and Statistics	Dr. Deepa Krishnamurthy	<i>Deepa</i> 13/4/24

Reference Books:

- R. S. Agarwal: Modern Approach to Logical Reasoning, New Delhi, S Chand & Co, 2018
- R. S. Agarwal: Quantitative aptitude for Competitive examination, New Delhi, S Chand & Co, 2017
- Sijwali B.S.: Analytical and Logical reasoning for CAT and other management entrance test, Arihant publications, 2004
- Abhijit Guha: Quantitative Aptitude by Competitive Examinations, New Delhi, Tata McGraw Hill Edu Pvt Ltd, 2008, 4th edition

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