

**SES's L.S. RAHEJA COLLEGE OF ARTS AND COMMERCE(AUTONOMOUS)**

Syllabus for Approval	BoS meeting held on: 25-03-2025	AC meeting held on : 04-04-2025
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**Board of Studies :**

Sr. No.	Heading	Particulars
1	Nomenclature of the Course	<b>Logical Reasoning &amp; Data Interpretation I</b>
2	Eligibility for Admission	<u>Passing Certificate of 12th</u>
3	Passing Marks for eligibility	<u>40 marks</u>
4	Regulations	College Regulations on Admission
5	Programme	<u>BCOM and BA</u>
6	Semesters	Semester: III
7	NEP Vertical	OE
8	Credit	2
9	Level U.G/PG	<u>U.G</u>
10	Pattern	Semester
11	Status (Revised or New) If revised, % of change)	<u>New</u>
12	To be implemented from Academic Year	From the Academic Year: 2025-2026

Date:



Chairman / Chairperson:

(name & signature)

**SES's L.S. RAHEJA COLLEGE OF ARTS AND COMMERCE(AUTONOMOUS)**



**BOARD OF STUDIES: Mathematics, Statistics and Computer**

**PROGRAMME: Bachelor Of Commerce , Bachelor Of Arts**

**SEMESTER: III**

**NOMENCLATURE OF THE COURSE: Logical Reasoning & Data Interpretation I**

**NEP Vertical:OE**

**Credit: 2**

(As Per Choice Based Credit System (under NEP 2020) with effect from the academic year )



<b>Programme:</b>	<b>BCOM and BA</b>
<b>Nomenclature of the Course</b>	<b>Logical Reasoning &amp; Data Interpretation I</b>
<b>Total Marks</b>	<b>50</b>
<b>Semester:</b>	<b>III</b>
<b>Academic year</b>	<b>2025-2026</b>

**LEARNING OBJECTIVES:**

1. Apply critical thinking to solve complex reasoning problems.
2. Apply Mathematical techniques to solve data interpretation problems .
3. Determine the validity of arguments using logical rules .

**COURSE OUTCOMES:**

1. Able to solve complex reasoning problems.
2. Will be able to analyse and interpret data effectively.
3. Construct and evaluate syllogisms to test logical conclusions .

<b>Unit</b>	<b>Course Content</b>	<b>Andragogy</b>	<b>No of Lectures</b>
<b>1.</b>	<b>Verbal Reasoning :</b> Analogies and classifications, Series completion (alphabet, number, and figure series), Coding-decoding, Blood relations.	<b>Learner-Centred Approach.</b>	<b>4</b>
	<b>Non-verbal Reasoning :</b> Figure pattern and analysis, Paper folding and paper cutting, Mirror images and water images, Embedded figures.	<b>Problem-Based Learning .</b>	<b>4</b>
	<b>Analytical Reasoning :</b> Statement and assumptions, Statement and conclusions, Cause and effect, Strong and weak arguments.	<b>Experiential Learning</b>	<b>4</b>
	<b>Logical Deduction :</b> Syllogisms, Venn diagrams, Logical sequence of words, Direction sense test		<b>3</b>
<b>2.</b>	<b>Tabular Data Analysis :</b> Reading and interpreting tables, Comparative analysis, Percentages and ratios in tables	<b>Teach how to read, sort and analyze data .</b>	<b>4</b>
	<b>Graphical Data Analysis :</b> Bar graphs and line graphs, Pie charts, Histograms, Combined graphs.	<b>Explain how to interpret trends and patterns.</b>	<b>4</b>
	<b>Caselet-based Problems:</b> Interpreting business scenarios, Market share analysis, Sales and profit calculations		<b>4</b>
	<b>Basic Numerical Ability :</b> Percentages, Profit and loss, Simple and compound interest, Time and work	<b>Teach simple calculations .</b>	<b>3</b>

**Reference Books:**

1. Arun Sharma. (Latest Edition). How to Prepare for Logical Reasoning for the CAT.
2. R.S. Aggarwal. (Latest Edition). A Modern Approach to Verbal & Non-Verbal Reasoning.
3. Nishit K. Sinha. (Latest Edition). Logical Reasoning and Data Interpretation for the CAT.
4. Trishna Knowledge Systems. (Latest Edition). Quantitative Aptitude & Data Interpretation for the CAT.

**QUESTION PAPER PATTERN**

**( A ) FOR CONTINUOUS EVALUATION**

**RUBRICS FOR CONTINUOUS EVALUATION**

**Total : 20 marks**

1. **Internal test of 10 marks will be conducted.**
2. **Assignment ,Class Participation for 10 marks**

**( B ) QUESTION PAPER PATTERN FOR SEMESTER END EXAMINATION**

**Total : 30marks**

**Q1 Answer any three out of the following Four questions (based on Module I) 5\*3=15**

**Q2 Answer any three out of the following Four questions (Based on Module II) 5\*3=15**