

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
 9-5-81, Ibrahimbagh, Hyderabad-500031, Telangana State
DEPARTMENT OF BASIC SCIENCE - MATHEMATICS
Course Name : Open Elective Course -Critical Reasoning

SYLLABUS FOR BE 3/4 - VI Semester

L : T : P (Hrs/Week) : 3	SEE Marks : 60	Course Code: Open Elective
Credits: 3	CIE Marks : 40	Duration of SEE : Hours : 3 Hours

COURSE OBJECTIVES	COURSE OUTCOMES
Is to help students Take information from source(s) with enough interpretation/ evaluation to develop a comprehensive analysis or synthesis.	At the end of the course the student will be able to
Identify the alternative solutions to the problem or case.	Analyse and use techniques for Venn diagrams to solve questions effectively
Derive solution or discuss the best solution(s) to the problem or case.	Demonstrate the difference between deductive and inductive reasoning
Discuss the conclusions that follow from the solution(s).	Evaluate and distinguish between strong and weak assumption and conclusions.

UNIT 1 – Analysing Data sets & Puzzles with Analytical Thinking

8 hrs

Set Theory/Data Sets/Venn Diagrams

Analytical Puzzles

Analogy

Classification

UNIT 2 – Logical Reasons & Logical Deductions

6 hrs

Logical Data Sequences

Logical Fact Deductions

Assertions & Reasons

UNIT 3 – Essentials, Reactions, Causes & Data Adequacies/Inadequacies

6 hrs

Essential Part/Verification of Truth of Statements

Situation Reaction Test

Cause & Effect

Data Sufficiency

UNIT 4 – Statements, Assumptions, Arguments & Conclusions

6 hrs

Statements & Assumptions

Statements & Arguments/Inferences/Analyzing Arguments

Statements & Conclusions

Analytical Reasoning

UNIT 5 – Evaluations, Decisions & Making Judgements

6 hrs

Decision making

Making Judgements

Evaluating Course of Action

Critical Reasoning Revision

Learning Resources:

1.scoremore.talentsprint.com

The break-up of marks for CIE :

Internal Tests (2) ; Quiz Tests (3) + Assignments (3)

1. No. of Internal Tests	:	<input type="text" value="2"/>	Max. Marks for each Internal Tests	:	<input type="text" value="30"/>
2. No. of Assignments	:	<input type="text" value="3"/>	Max. Marks for each Assignments	:	<input type="text" value="5"/>
3. No. of Quizzes	:	<input type="text" value="3"/>	Max. Marks for each Quiz Tests	:	<input type="text" value="5"/>

Duration of Internal Tests : 1 1/2 Hours


(Prof. N. Kishan)

(OU Nominee)


(Prof. M.A. Srinivas)

(Subject Expert -1)


(Prof. A. Ramu)

(Subject Expert-2)


(Dr. T. Sudhakar Rao)
(Chairman)