

INSTITUTE	FACULTY OF TECHNOLOGY
PROGRAM	BACHELOR OF TECHNOLOGY (CIVIL ENGINEERING)
SEMESTER	3
COURSE TITLE	QUANTITATIVE & LOGICAL ABILITY-1
COURSE CODE	01CR0303
COURSE CREDITS	0

Objective:

- 1 This course shall enrich students' preparedness for the upcoming competitive exams, entrance test, and/or placements. This course will also enhance students' logical and verbal reasoning skills, decision making skill, and comprehension skill.
- 2 This course shall enrich students' preparedness for the upcoming competitive exams, entrance test, and/or placements.
- 3 It will enhance the numerical skills of the students through the group interactions, practice sessions, and videos.

Course Outcomes: After completion of this course, student will be able to:

- 1 Inculcate smart approach in logical problem solving.
- 2 Build a strong base in the fundamental logical concepts.
- 3 Grasp the approaches and strategies to solve problems with speed and accuracy.
- 4 Use logical deductions to make effective decisions.
- 5 Categorize various types of questions in terms of difficulty levels

Pre-requisite of course:Basic Knowledge of English Language

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
1	0	0	50	0	0	0	50

Contents : Unit	Topics	Contact Hours
1	QUANTITATIVE & LOGICAL ABILITY-1 Introduction and Pre - Assessment Test, Calendar, Clock, Class Test 1 and doubt solving session, Direction Senses, Blood Relations, Series, Class Test 2 and doubt solving session , Coding & Decoding, Puzzles, Cubes & Dices, Class Test 3 and doubt solving session	14
Total Hours		14

Textbook :

- 1 Analytic Reasoning, By M K Pandey, BSC Publishing Co. Pvt. Ltd, 2018
- 2 Verbal and Non-Verbal Reasoning, R.S. Aggarwal, S Chand, 2019
- 3 A New Approach to Reasoning Verbal & Non Verbal, BS SijWalii & Indu Sijwalli,, Arihant Publications India Limited, 2018

References:

- 1 A New Approach to Reasoning Verbal & Non Verbal, A New Approach to Reasoning Verbal & Non Verbal, BS SijWalii & Indu Sijwalli,, Arihant Publications India Limited, 2018

Suggested Theory Distribution:

The suggested theory distribution as per Bloom’s taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
10.00	15.00	40.00	35.00	0.00	0.00

Instructional Method:

- 1 The course delivery method will depend upon the requirement of content and need of students.
- 2 The trainer shall train students through interactions, demonstration, brainstorming, group tasks, assignments and quizzes etc.
- 3 Students will use supplementary resources such as online videos and books.
- 4 The trainer shall train students through ppts, worksheets and marker board.

Supplementary Resources:

- 1 www.indiabix.com
- 2 www.careerbless.com
- 3 www.allindiaexams.com
- 4 www.freshersworld.com