

Subject Code: 01CR0303

Subject Name: Quantitative & Logical Ability - 1

B. Tech. Year - II (Semester - 3)

Objective : 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.

Credits Earned : 0 Credit

Course Outcome :

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

Teaching and Examination Scheme :

Teaching Scheme			Credits C	Examination Marks					Total Marks
THEORY	TUTORIAL	PRACTICAL		Theory Marks			Practical Marks		
				ESE(E)	IA	CSE	Viva (V)	Term Work (TW)	
1	0	0	0	50	0	0	0	50	100

Content :

Sr. No.	Content	Total Hrs.
1	Introduction and Pre-Assessment Test	01
2	Calendar Sub-topics : Calculation of day of week on a given date Calculate day of week based on another date given	01
3	Clock Sub-topics :Calculation of angle between minute hand and hour hand Calculation of minute between a given time when a particular angle is formed Gaining & Losing examples Mirror time	01
4	Class Test 1 and doubt solving session	01

5	Direction Sense Sub-topics : Identifying Distance / Direction Degree related questions Coded distance/ direction	01
6	Blood Relation Sub-topics : Word-problem simple and complex type Coded blood relation	01
7	Series Sub-topics : Number Series Letter series	01
8	Class Test 2 and doubt solving session	01
9	Coding-Decoding Sub-topics : Word coding Numeric coding Symbolic coding Sentence coding	01
10	Cubes & Dices	02
11	Class Test 3 and doubt solving session	01
12	Revision	01

Distribution of Theory Marks

R Level	U Level	A Level	N Level	E` Level	C Level
20	30	25	15	10	--

Legends: R: Remember; **U:** Understand; **A:** Apply; **N:** Analyze; **E:** Evaluate; **C:** Create

Reference books :

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

List of Open Base Software / learning website :

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