COURSE TITLE	**QUANTITATIVE & LOGICAL ABILITY - 2**
COURSE CODE	**01CR0402**
COURSE CREDITS	**0**

Objective:

1 This course shall enrich students' preparedness for the upcoming competitive exams, entrance test, and/or placements.

2 It will enhance the numerical skills of the students through the group interactions, practice sessions, and videos.

3 This course shall enrich students' preparedness for the upcoming competitive exams, entrance test, and/or placements. 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 quantitative problem solving.

2 Build a strong base in the fundamental mathematical concepts.

3 Grasp the approaches and strategies to solve problems with speed and accuracy.

4 Devise plans for QA domain of the placement drives and competitive exams

5 Categorize various types of questions in terms of difficulty levels

Pre-requisite of course: Basic Knowledge of Mathematics

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	**Introduction & Pre-Assessment Test** Introduction & Pre-Assessment Test	1
2	**Vedic Maths – 1 (Multiplication tricks & Squaring of numbers) 2x2 digit numbers and 3x3 digit numbers** Vedic Maths – 1 (Multiplication tricks & Squaring of numbers) 2x2 digit numbers and 3x3 digit numbers	1
3	**Types of Numbers & Divisibility Test** Types of Numbers & Divisibility Test	1
4	**Class Test 1 and doubt solving session** Class Test 1 and doubt solving session	1
5	**Factors & Multiples** Factors & Multiples	1

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Contents : Unit	Topics	Contact Hours
6	**Cyclicity & Remainder** Cyclicity & Remainder	1
7	**HCF & LCM** HCF & LCM	2
8	**Class Test 2 and doubt solving session** Class Test 2 and doubt solving session	1
9	**Average** Average	1
10	**AP & GP** AP & GP	1
11	**Problem Based on Ages/Numbers** Problem Based on Ages/Numbers	1
12	**Class Test 3 and doubt solving session** Class Test 3 and doubt solving session	1
13	**Revision** Revision	1
Total Hours		**14**

Textbook :

1 Quantitative Aptitude, Dr. R. S. Agarwal, S. Chand, 2021

2 Quantitative Aptitude, Abhijit Guha, MC Graw Hills, 2020

References:

1 Magical Book On Quicker Maths, Magical Book On Quicker Maths, M. Tyra , BSC Publishing Co. Pvt. Ltd, , 2013

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.

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Instructional Method:

3 Students will use supplementary resources such as online videos and books.

4 The trainer shall train students through slides, worksheets and marker board.

Supplementary Resources:

1 www.indiabix.com

2 www.careerbless.com

3 www.allindiaexams.com

4 www.freshersworld.com

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