



Integral University, Lucknow

Department of Mathematics & Statistics

Offers a Value Added Course
on

Elementary Mathematics for Competitive Examinations (MTV07) (2021-22 Even Semester)

Course Duration: 60 Hours

Course Mode: Virtual

Start date: 20.07.2022

End date: 22.08.2022

About the Course

In this course, We discuss the problems based on L.C.M. and H.C.F. of numbers, ratio and proportion, percentage, loss and profit, square roots and cube roots. Also, we discuss problems based on time and distance and train.

Course Objective

To nurture the fundamental skills for preparing and cracking competitive examinations and to kindle the problem solving ability of the students.

Eligibility

Graduate & Post graduate students of any disciplines of Integral University.

Modules

Module-1

L T P: 6 6 0

- ❖ H.C.F. and L.C.M. of Numbers
- ❖ Decimal, Fractions
- ❖ **VAC Quiz1**

Module-2

L T P: 6 6 0

- ❖ Simplification
- ❖ Square roots and Cube roots
- ❖ Averages
- ❖ **VAC Quiz2**

Module-3**L T P: 6 6 0**

- ❖ Problems on numbers and ages
- ❖ Surds and Indices
- ❖ **VAC Quiz 3**

Module-4**L T P: 6 6 0**

- ❖ Percentage, Profit and loss
- ❖ Ratio and Proportion, Partnership
- ❖ **VAC Quiz 4**

Module-5**L T P: 6 6 0**

- ❖ Time and work
- ❖ Pipe and Cistern
- ❖ Time and distance
- ❖ **VAC Quiz 5**

Note: The course includes a total of five quizzes and two assignments based on all five modules. Participants will be required to score at least 50% marks in both quizzes and assignments, separately.

Course Outcomes

By the end of the course, students will be able to solve mathematical problems in the competitive examinations easily.

Course Coordinators:

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