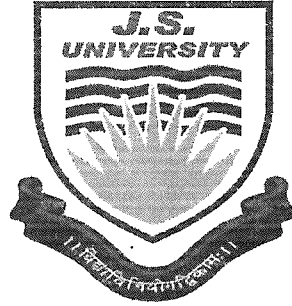# J.S. University, Shikohabad

Established by UP Govt. Act No. 07 of 2015

Recognized by U.G.C. under section 2 (f) of Act-1956

Value Added Course

(Mathematics for Competitive Examinations-I)

Faculty of Science

	J.S. University, Shikohabad Faculty of Science	Value Added Course
		AY: 2019-20

Mathematics for Competitive Examinations-I

Learning Outcome:

This Course will provide knowledge of Mathematics for Competitive Examinations

Duration: 30 Hours. (Theory)

Course Outcomes: -

After completion of the course the student shall be able to:-

1. Nurture the fundamental Mathematical skills for preparing and cracking competitive examination.
2. Kindle the problem solving ability.

Syllabus Outline

1. **Module-1**

   Numbers-H.C.Fand L.C.M of Numbers-Decimal Fractions.

2. **Module-2**

   Simplification-Square Roots and Cube Roots-Average.

3. **Module-3**

   Problems on Numbers-Problems on Ages-Surds and Indices.

4. **Module-4**

   Percentage-Profit and Loss - Ratio and Proportion- Partnership.

5. **Module-5**

   Chain Rule-Time and Work-Pipes and Cistern-Time and Distance-Problems on Trains
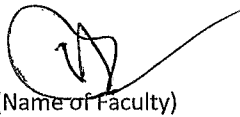
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eferences:-

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ooks for Reference:

1. Quantitative Aptitude by R.S.Agarwal, Sultan Chand and Company Ltd, New Delhi,2012
2. Quantitative Aptitude for Competitive Examinations by Abhijit Guha, McGraw Hill Education,2011.

W
eb Reference:

1. https://www.indiabix.com/aptitude/questions-and-answers/
2. http://placement.freshersworld.com/aptitude-questions-and-answers

(Name of Faculty)

Course Coordinator
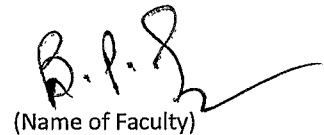
(Name of Faculty)

Dean Academics

(Name of Faculty)

Director/Principle/Dean of
Faculty/Department