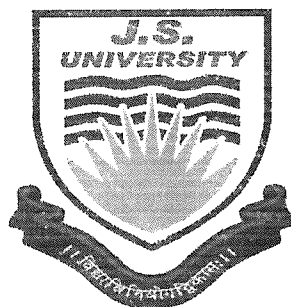# J.S. University, Shikohabad

Established by UP Govt. Act No. 07 of 2015

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

Value Added Course
2018-19

(Mathematics for Competitive Examinations-II)

Faculty of Science

Mathematics for Competitive Examinations-II

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**

   Boats and Streams-Mixture-Simple Interest-Compound Interest.

2. **Module-2**

   Logarithms-Area-Volume and Surface Areas.

3. **Module-3**

   Races and Games of Skill-Calendar-Clocks.

4. **Module-4**

Stocks and Shares - Permutations and Combinations-Probability.

5. **Module-5**

True Discount-Banker's Discount - Heights and Distances - Odd Man Out and Series

References:-

<u>B</u>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.
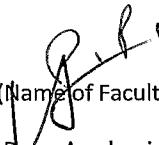
<u>W</u>eb Reference:

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