



**OFFICE, PRINCIPAL GOVERNMENT TULSI COLLEGE, ANUPPUR**

**Affiliated to Awadhesh Pratap Singh University Rewa (MP)**

Registered Under Section 2 (F) & 12 (B) of UGC Act

**E-mail: [hegtdcano@mp.gov.in](mailto:hegtdcano@mp.gov.in)**

**9893076404**

**Mathematics for competitive exam. 2022-23**

**Department of Mathematics  
GOVT. TULSI COLLEGE , ANUPPUR  
(M.P.)**



**Value Added Course**

**MATH-VAC-02: Mathematics for  
Competitive Examinations-II**

**Session 2022-23**

**PRINCIPAL  
Govt. Tulsi College Anuppur  
Distt. Anuppur (M.P.)**



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## DEPARTMENT OF MATHEMATICS GOVT. TULSI COLLEGE , ANUPPUR (M.P.)

### Value Added Course

**Course Code: MATH-VAC-02: Mathematics for Competitive**

**Examinations-II**

**Course Duration: 30 Hours**

**Course Objectives:** To acquired the knowledge related to numbers, decimal fractions, square and cube roots of numbers, Partnership, time and distance.

**Unit 1: 06 Hours**

Numbers, H. C.F. and L.C.M of Numbers, Decimal Fractions.

**Unit 2: 06 Hours**

Simplification, Square Roots , Cube Roots and Average.

**Unit 3: 06 Hours**

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

**Unit 4: 06 Hours**

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

**Unit 5: 06 Hours**

Chain Rule, Time and Work, Pipes and Cistern, Time and Distance, Problems on Trains.

**Books 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.

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**Web Reference:**

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

**Course Outcomes:**

1. To nurture the fundamental Mathematical skills for preparing and cracking competitive examination.
2. To Kindle the problem-solving ability of the students

  
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