II SEMESTER MATHS

Open Elective
(For Students of all Streams)
MATOET 2.3: Mathematical Aptitude -II
Teaching Hours : 3 Hours/Week Credits: 3
Total Teaching Hours: 42 Hours Max. Marks: 100
(S.A.- 70 + I.A. – 30)
Course Learning Outcomes: This course will enable the students to

· have a strong base in the fundamental mathematical concepts.

· grasp the approaches and strategies to solve problems with speed and accuracy

· gain appropriate skills to succeed in preliminary selection process for recruitment

Unit-I: Percentage, Average, Problems based on Ages, Ratio and Proportion, Partnership and share,
Mixtures. **14 Hours**
Unit-II: Profit, Loss and Discount, Simple Interest, Compound Interest, Shares and Debentures.
14 Hours
Unit-III: Permutations and Combinations, Probability, True discount and Banker's discount.
14 Hours
Reference Books:
1. R.S. Aggarwal, "Quantitative Aptitude for Competitive Examinations", Revised Edition, S. Chand and Co. Ltd, New Delhi, 2018.
2. Quantitative Aptitude and Reasoning by R V Praveen, PHI publishers.
3. Quantitative Aptitude : Numerical Ability (Fully Solved) Objective Questions, Kiran Prakashan, Pratogitaprakasan, Kic X, Kiran Prakasan publishers.
4. Quantitative Aptitude for Competitive Examination by Abhijit Guha, Tata Mc Graw hill publications.