

# Contents

## **Part – I : MATHEMATICS**

1. Number System.....	1-3
2. BODMAS, Fractions, LCM, HCF .....	4-6
3. Decimals .....	7-8
4. Ratio and Proportion .....	9-10
5. Percentage .....	11
6. Profit and Loss (Simple and Compound Interest) .....	12-16
7. Time and Work .....	17-19
8. Algebra .....	20-22
9. Mensuration and Geometry .....	23-27
10. Trigonometry .....	28-32
11. Elementary Statistics .....	33-36
12. Square Roots .....	37-39
13. Age Calculation .....	40-41
14. Calendar and Clock .....	42-43
15. Pipes and Cisterns .....	44-46

## **Part – II : GENERAL INTELLIGENCE AND REASONING ..... 1-10**

## **Part – III : BASIC SCIENCE AND ENGINEERING**

1. Engineering Drawing .....	1
2. Drawing Instruments .....	2-3
3. Different Types of Lines .....	4-5
4. Geometrical Figures .....	6-12
5. Projection and Views .....	13-14
6. Symbolic Representation .....	15-19
7. Units and Measurements .....	20-23
8. Mass, Weigh and Density .....	24-25
9. Work, Power and Energy .....	26-30
10. Speed and Velocity .....	31-33
11. Heat and Temperature .....	34-37
12. Basic Electricity .....	38-45
13. Levers and Simple Machines .....	46-52
14. Occupational Safety and Health .....	53-58
15. Environmental Education .....	59-70
16. I.T. Literacy .....	71-80