

Commissionerate of Collegiate Education  
JKC Monitoring Cell

**Section-1 Arithmetic**

**Topic**

**Unit-I**

1.1 BODMAS

1.2 Fractions and Decimals -1

1.2 Fractions and Decimals -2

1.3 Algebraic Formulae

1.4 Divisibility Rules

1.5 LCM & HCF-1

1.5 LCM & HCF-2

**Unit-2**

2.1 Ratios & Proportions

2.2 Percentages-1

2.2 Percentages-2

2.3 Profit & Loss-1

2.3 Profit & Loss-2

2.4 Partnership-1

2.4 Partnership-2

2.5 Data Analysis-1

2.5 Data Analysis-2

2.5 Data Interpretation-1

2.5 Data Interpretation-2

**Unit-3**

3.1 Simple Interest-1

3.1 Simple Interest-2

Test-1

3.2 Compound Interest-1

3.2 Compound Interest-2

**Unit-4**

4.1 Averages

4.2 Problems on Ages-1

4.2 Problems on Ages-2

**Unit-5**

5.1 Time &amp; Distance-1

5.1 Time &amp; Distance-2

5.2 Time &amp; work-1

5.2 Time &amp; Work -2

5.3 Problems on Trains

**Unit-6**

6.1 Permutations and Combinations-1

6.1 Permutations and Combinations-2

6.1 Permutations and Combinations-3

Test-2

6.2 Probability-1

6.2 Probability -2

**Unit-7**

7.1 Areas

7.2 Volumes

Surface Areas

**Section-2 Reasoning****i) Verbal Reasoning****Unit 8**

8.1 Number Series

Test-3

8.2 Number Analogy

8.3 Odd Man Out

Coding &amp; Decoding-1

Coding &amp; Decoding-2

**Unit -9**

9.1 Blood Relations-1

9.1 Blood Relations-2

9.1 Blood Relations-3

9.2 Direction Sense Test-1

9.2 Direction Sense Test-2

9.3 Seating Arrangement

9.3 Seating Arrangement

**Unit 10**

10.1 Problems solving Techniques and Logical Reasoning

10.2 Ranking and Time Sequence Test-1

Test-4

10.2 Ranking and Time Sequence Test-2

10.3 Mathematical Operations

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**Unit 11**

11.1 Clocks

11.2 Calendars

**ii ) Non Verbal Reasoning****Unit 12**

12.1 Series-1

12.1 Series-2

12.2 Mirror Images and Water Images

12.3 Incomplete Figure Patterns

12.4 Figure matrix

12.5 Logical VennDiagrams-1

12.5 Logical VennDiagrams-2

Test-5

**Additional Inputs****Unit 13**

13.1 Matrices & Surds

13.2 Quadratic Equations

13.3 Coordinate Geometry and Trigonometry

13.4 Differentiation

13.5 Decision Making