

## **A. Mathematics (గణితం)**

### **1 Number System**

- Integers
- Whole Numbers
- Natural Numbers

### **2 Decimals & Fractions**

- Decimal operations
- Fractions (addition, subtraction, multiplication, division)

### **3 LCM & HCF**

- Basic methods
- Word problems

### **4 Ratio & Proportion**

- Simple ratio
- Direct & inverse proportion

### **5 Percentage**

- Increase & decrease
- Applications

### **6 Mensuration**

- Area & Perimeter
- Volume & Surface area

### **7 Time & Work**

- Work efficiency
- Combined work

### **8 Time & Distance**

- Speed, time, distance

- Trains, boats (basic)

## 9 Simple & Compound Interest

- SI formulas
- CI formulas

## 10 Profit & Loss

- Profit, loss
- Discount

## 11 Elementary Algebra

- Linear equations
- Basic identities

## 12 Geometry

- Lines, angles
- Triangles, circles (basic)

## 13 Trigonometry

- Basic trigonometric ratios
- Simple identities

## 14 Elementary Statistics

- Mean
- Median
- Mode



## B. General Intelligence & Reasoning (රිසනිංග්)

### 1 Analogy

- Word analogy
- Number analogy

### 2 Series

- Number series
- Alphabetical series

### **3 Coding – Decoding**

- Letter coding
- Number coding

### **4 Mathematical Operations**

- Symbol based operations

### **5 Similarities & Differences**

- Classification
- Odd one out

### **6 Relationships**

- Blood relations
- Direction sense

### **7 Analytical Reasoning**

- Logical analysis

### **8 Syllogism**

- Statement based conclusions

### **9 Jumbling**

- Word / sentence arrangement

### **10 Venn Diagrams**

- 2 & 3 circle problems

### **11 Puzzle**

- Simple logical puzzles

### **12 Data Sufficiency**

- Statement based questions

### **13 Statement – Conclusion**

- Logical conclusions

### **14 Statement – Course of Action**

- Best action selection

### **15 Decision Making**

- Situation based decisions

### **16 Maps**

- Direction & location based

### **17 Interpretation of Graphs**

- Bar graph
  - Pie chart
  - Line graph
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## **C. General Awareness (జనరల్ అవేర్నెస్ / GK)**

### **1 Current Affairs**

- National events
- International events

### **2 Games & Sports**

- Sports events
- Players & awards

### **3 Art & Culture of India**

- Dance forms
- Festivals
- Traditions

#### **4 Indian Literature**

- Authors
- Famous books

#### **5 Monuments & Places of India**

- Historical places
- Famous monuments

#### **6 General Science (up to 10th CBSE)**

- Physics basics
- Chemistry basics
- Biology & Life Science

#### **7 History of India**

- Ancient, Medieval, Modern
- Freedom Struggle

#### **8 Geography**

- Physical geography
- Social & Economic geography
- India & World

#### **9 Indian Polity & Governance**

- Constitution
- Political system
- Governance

#### **10 Science & Technology**

- Space program
- Nuclear program
- Recent developments

#### **11 UN & World Organizations**

- UN
- IMF, WHO, World Bank etc.

## **12 Environmental Issues**

- India & World related issues

## **13 Basics of Computers**

- Computer fundamentals
- Computer applications

## **14 Common Abbreviations**

- National & international abbreviations

## **15 Transport Systems in India**

- Railways
- Roadways
- Airways

## **16 Indian Economy**

- Basic concepts
- Government schemes

## **17 Famous Personalities**

- India & World

## **18 Flagship Government Programs**

- Central government schemes

## **19 Flora & Fauna of India**

- National parks
- Wildlife

## **20 Important Government & PSU Organizations**

- Ministries
  - Public sector units
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