## **SSC GD Preparation**

## **Syllabus**

## **Elementary Mathematics Syllabus**

- a) **Number Systems**: Understanding natural numbers, whole numbers, integers, rational and irrational numbers, and their properties.
- b) **Computation of Whole Numbers**: Basic operations (addition, subtraction, multiplication, division) with whole numbers.
- c) **Decimals**: Operations and applications involving decimal numbers.
- d) **Fractions**: Operations with fractions, including addition, subtraction, multiplication, and division.
- e) **Relationship Between Numbers**: Concepts like factors, multiples, LCM (Least Common Multiple), and HCF (Highest Common Factor).
- f) **Fundamental Arithmetical Operations**: Basic arithmetic operations and their applications in problem-solving.
- g) **Percentages**: Calculation of percentages, percentage increase/decrease, and applications in word problems.
- h) **Ratio and Proportion**: Understanding ratios, proportions, and their applications in solving problems.
- i) Averages: Calculation of mean, median, and mode for given data.
- j) **Interest**: Simple interest and compound interest calculations, including related formulas.
- k) **Profit and Loss**: Problems involving cost price, selling price, profit, loss, and discounts.
- I) **Discount**: Calculations related to marked price, successive discounts, and effective discounts.
- m)**Mensuration**: Area, perimeter, and volume of shapes like triangles, circles, rectangles, squares, and cubes.
- n) **Time and Distance**: Problems involving speed, distance, and time, including relative speed.
- o) **Time and Work**: Calculations related to work efficiency, combined work, and time taken to complete tasks.
- p) Ratio and Time: Problems combining ratio with time-related concepts.

r) <b>Geom</b>	etry: Basic concep	ts of angles, trian	gles, circles, and	their properties.	
s) <b>Data</b> graphs.	Interpretation: Inte	erpreting data fror	n tables, bar gra	phs, pie charts, ai	nd line
	ification: Simplifyir Multiplication, Add			DDMAS (Bracket,	Order,