





Total Questions : 50				Time : 1 hr.					
PATTERN & MARKING SCHEME									
Section	(1) Logical Reasoning	(2) Mathematical Reasoning	(3) Everyday Mathematics	(4) Achievers Section					
No. of Questions	15	20	10	5					
Marks per Ques.	1	1	1	3					

SYLLABUS

Section – 1: Verbal and Non-Verbal Reasoning.

Section – 2 : Rational Numbers, Squares and Square Roots, Cubes and Cube Roots, Exponents and Powers, Comparing Quantities, Algebraic Expressions, Linear Equations in One Variable, Understanding Quadrilaterals, Mensuration, Data Handling, Direct and Inverse Proportions, Factorisation, Introduction to Graphs.

Section – 3: Syllabus as per Section – 2. Section – 4: Higher Order Thinking Questions - Syllabus as per Section – 2.

LOGICAL REASONING

1. Select a figure from the options which when placed in the blank space of the given figure would complete the pattern.



5.	The given bar gra number of books school library for t and 2023. Find the increase in of books in 2023. (A) 40 (C) 50	ph shows the available in a he years 2022 h total number (B) 45 (D) 30	Maths Science SLanguage Story	2023 2022 2022						
6.	ABCD is a parallelog (A) 40°, 50°, 60° (B) 60°, 60°, 60° (C) 50°, 50°, 50° (D) 60°, 70°, 70°	gram. Find the a	angles <i>x, y</i> and <i>z</i> respo	ectively in the given figure. $ \int_{D}^{F} \int_{C}^{U} \int_{C}^{B} $						
_	EVERYDAY MATHEMATICS									
7.	A survey was cond women. It was fou randomly chosen v 162	ucted among 5 nd that 162 wc woman dislikes 25	525 people where 22 omen like coffee. Wh coffee? 13	25 were men and rest were at is the probability that a						
	(A) <u>525</u>	^(B) 49	$(C) \frac{1}{50}$	(D) None of these						
8.	Forty percent of the men earn more than the more than the earn that the company earn the ear	the employees of an ₹ 25,000 per D per year, then 5,000 or less per (B) $\frac{3}{5}$	of a certain company ryear. If 45% of the company what fraction of the eryear? (C) $\frac{3}{4}$	y are men and 75% of the company's employees earn e women employed by the (D) None of these						
		ACHIE	VERS SECTION							
9.	Read the given sta Statement-I : If a co then in 9 years, it w Statement-II : If \mathfrak{F} (8 interest, then in 6 y (A) Both Statement (B) Both Statement (C) Statement-I is t (D) Statement-I is factor Find the value of F	tements carefu ertain sum, at co ill be 25 times a 3920 becomes ₹ ears it becomes t-l and Statement t-l and Statement rue but Statement alse but Statement 2 + 0 + 8 + 5 if	Illy and select the Co ompound interest be at the same rate of int 13380 in 3 years at a ₹ 20070 at same rate nt-II are true. nt-II are false. ent-II is false. ent-II is true.	ORRECT option. ecome five times in 3 years, terest per annum. a certain rate of compound e of compound interest.						
10	(i) $(Px - 4)$ and $(x + 4)$ (ii) $(x - 5)$ and $(Qx + 4)$ (iii) $(Rx - 3)$ and $(Sx - 4)$	 4) are the factors 3) are the factor 3) are the facto 3) are the facto 	of 3x ² + 5x – 12. ors of 2x ² – 7x – 15. rs of 8x ² – 18x + 9.							
	(A) 11	(B) 9	(C) 8	(D) 7						

1. (B) 2. (D) 3. (B)	4. (C)	5. (B)	6. (C)	7. (D)	8. (C)	9. (D)	10. (A)					

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