

Total Questions : 35

Time : 1 hr.

**PATTERN & MARKING SCHEME**

Section	(1) Logical Reasoning	(2) Mathematical Reasoning	(3) Everyday Mathematics	(4) Achievers Section
No. of Questions	10	10	10	5
Marks per Ques.	1	1	1	2

**SYLLABUS**

**Section – 1 :** Patterns, Alphabet Test, Coding-Decoding, Ranking Test, Mirror Images, Geometrical Shapes and Solids, Embedded Figures, Direction Sense Test, Possible Combinations, Analogy and Classification, Clock and Calendar.

**Section – 2 :** Numerals, Number Names, Number Sense (more than 4-digit numbers), Computation Operations, Fractions, Length, Weight, Capacity, Time, Money, Geometry, Perimeter of Various Shapes, Symmetry, Conversions, Data Handling.

**Section – 3 :** Syllabus as per Section–2.

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

**LOGICAL REASONING**

1. The codes of some digits are given below.

Digits	5	3	6	1	7	8	4	2
Codes	@	#	U	\$	H	E	%	©

Find the code for 85261.

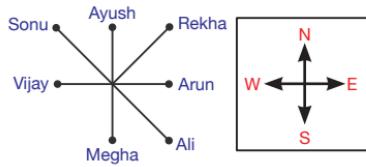
- (A) E©@#\\$      (B) %@©UH      (C) E@©U\\$      (D) H@©%#%
2. Who among the following is in the South-West of Arun?

(A) Vijay

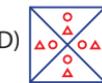
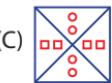
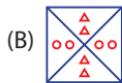
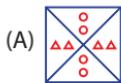
(B) Rekha

(C) Megha

(D) Ali



3. There is a certain relationship between the pair of figures on the either side of ::. Identify the relationship of the given pair and find the missing figure.

**MATHEMATICAL REASONING**

4. Which of the following fractions is  $\frac{5}{6}$  more than  $\frac{7}{12}$ ?

- (A)  $1\frac{7}{12}$       (B)  $1\frac{5}{12}$       (C)  $2\frac{7}{12}$       (D)  $3\frac{5}{12}$

5. If + + + + = 125 and - 4 = , then find the value of + + + .

(A) 25      (B) 45      (C) 50      (D) 60

6. Which of the following options is INCORRECT?

(A) 7<sup>th</sup> multiple of greatest one-digit number is 63.  
 (B) Largest multiple of a number is the number itself.  
 (C) The number of common factors of 17 and 51 is 2.  
 (D) None of these

# EVERYDAY MATHEMATICS

7. Varun made a shape by folding the given cardboard along the dotted lines. Which shape did Varun make?

(A)  (B)  (C)  (D) 

8. The capacity of a small container is 400 mL and the capacity of a big container is 1500 mL. If Sumit uses 9 small containers and 2 big containers of water to fill up an empty tank, then what is the capacity of the tank?

(A) 5 L 200 mL      (B) 6 L 600 mL      (C) 4 L 500 mL      (D) 6 L 60 mL

## **ACHIEVERS SECTION**

9. Identify the number using the given clues.

  - Its ones place digit is the face value of digit at hundreds place in 5782.
  - Its tens place digit is the greatest one-digit even number.
  - Its thousands place digit is the tens place digit of CDLXIX.
  - Its hundreds place digit is greater than its tens place digit.
  - Its ten thousands place digit is less than 6 but more than 3.

(A) 55987      (B) 46798      (C) 47978      (D) 46987

10. Read the given statements carefully and state T for true and F for false.

B. The number of letters having perpendicular lines in the given word is 4

**10.** Read the given statements carefully and state T for true and F for false.  
P. The number of letters having perpendicular lines in the given word is 4.

# TREAT

- Q. The number of lines of symmetry in a square is 4.  
R. An isosceles triangle does not have any line of symmetry.

P	Q	R
(A) F	F	T
(B) T	F	F
(C) F	T	T
(D) T	T	F

ANSWER KEY

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