

## Memory Based Paper for **SSC CHSL Tier 1**

### REASONING ABILITY

1. A is sister of B. C is mother of B. D is husband of C. E is mother of D, then how is A related to D?

- (A) Maternal grandmother
- (B) Maternal grandfather
- (C) Daughter
- (D) None of these

2. How many pairs of letters are there in the word "MANIPULATE" which have as many letters between them in the word as they have between them in the English alphabet ?

- (A) Four
- (B) One
- (C) Two
- (D) Three

3. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ? aab \_ aa \_ bbb \_ aaa \_ bbb

- (A) abba
- (B) baab
- (C) aaab
- (D) abab

4. In the following number series, how many '8' are there which are preceded by '6' and followed by '9' ? 9 4 8 6 3 2 7 1 8 6 8 9 8 1 3 6 8 9 7 8 6 3 1 3 6 8 4 3 6 3 9

- (A) 2
- (B) 3
- (C) 4
- (D) 7

**Directions (Q. 5 –7): Select the related word/ letters/number from the given alternatives.**

5. Red Fort : India :: Great Sphinx : ?

- (A) England
- (B) France
- (C) Greece

(D) Egypt

6. ACFJ : ZXUQ :: EGJN : ?

(A) BDYU

(B) VTRN

(C) VTRM

(D) VTQM

7. 456 : 15 :: 789 : ?

(A) 42

(B) 24

(C) 15

(D) 16

**Directions (Q. 8 – 9): Find the odd number/letter/ word pair from the given responses.**

8.

(A) Pneumonia

(B) Typhoid

(C) Hemophilia

(D) Diphtheria

9.

(A) 84X

(B) LM5

(C) 4W5

(D) #BW

10. Find the missing number from the given responses.

31	17	58	50
68	19	60	86
90	21	70	56
10	142	11	?

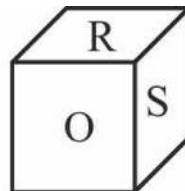
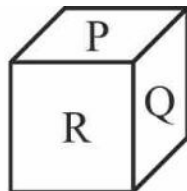
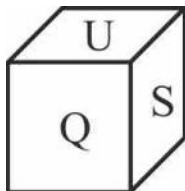
(A) 9

(B) 7

(C) 11

(D) 12

11. Three positions of a dice is shown below. Which letter will be opposite to 'O' ?



(A) Q

(B) U

(C) S

(D) P

Directions (Q. 12-13): In these questions, a series is given, with one term missing. Choose the Correct alternative from the given ones that will complete the series.

12. 1, 2, 1, 1, 2, 3, 1, 1, 2, 3, 4, 1, 1, 2, 3, 4, ?

(A) 6

(B) 7

(C) 5

(D) 4

13. BDF, EGI, HJL, KMO, ?

(A) NPR

(B) PRT

(C) NPS

(D) NQR

14. A is shorter than D, but taller than C. D is shorter than B, but taller than A. E is shorter than A, but taller than C. Then, who is the tallest ?

(A) E

(B) B

(C) D

(D) C

15. If 'DELHI' is coded as 'CCIDD', how would you encode 'BOMBAY' ?

(A) AJMTVT

(B) AMJXVS

(C) MJXVSU

(D) WXYZAX

16. If Saturday falls four days after today, which is the 6th of January, on what day did the first December of previous year fall?

(A) Sunday

(B) Wednesday

(C) Tuesday

(D) Monday

17. One or two statements are given followed by some conclusions. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

**Statement:** Physical exercise is necessary for good health.

**Conclusion:**

I. Keshav plays cricket at age seventy three.

II. Men with irregular habits have to go to hospital.

(A) Only I follows

(B) Only II follows

(C) Neither I nor II follows

(D) Both I and II follow

18. The total age of a mother and her daughter is 60 years. The difference between their ages is 30 years. Find out the age of the mother.

- (A) 40 years
- (B) 45 years
- (C) 50 years
- (D) 55 years

19. Some equations are solved on the basis of certain system. Find out the correct answer for the unsolved equation on that basis.

$$3 + 8 + 5 + 5 = 36$$

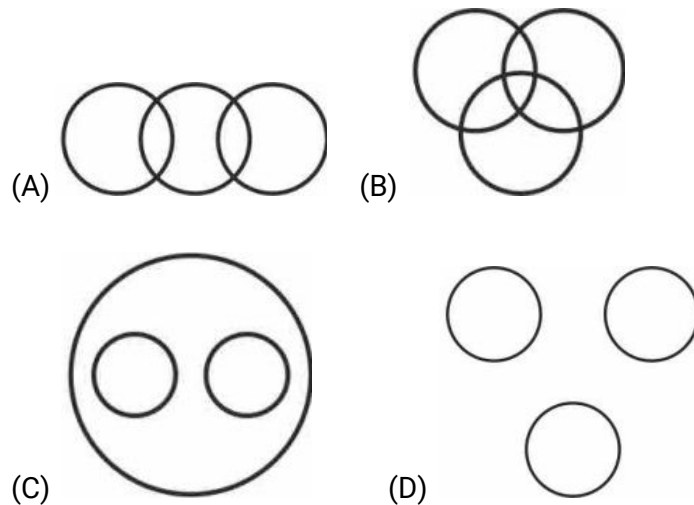
$$6 + 2 + 8 + 1 = 16$$

$$8 + 5 + 9 + 5 = 58$$

$$7 + 4 + 3 + 8 = ?$$

- (A) 35
- (B) 54
- (C) 34
- (D) 32

20. Identify the diagram that best represents the relationship among Woman, Teacher and Student

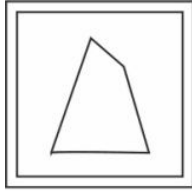


21. In the following question you have to identify the correct response from the given premises stated according to following symbols. If  $> = \div$ ,  $\# = \times$ ,  $< = +$ ,  $\$ = -$ ,  $+ = =$ ,  $\times = <$ ,  $- = >$

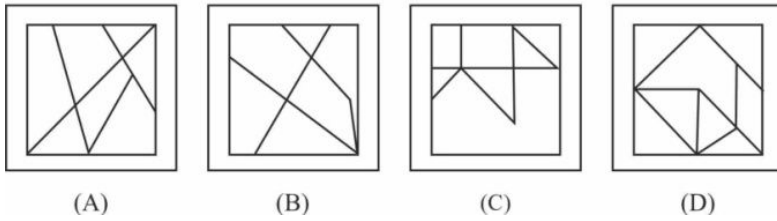
- (A)  $6 < 2 > 3 \$ 8 \# 4 + 13$
- (B)  $6 \$ 2 < 3 > 8 < 4 - 13$
- (C)  $6 \# 2 < 3 \$ 8 > 4 \times 13$
- (D)  $6 > 2 \# 3 < 8 \$ 4 + 13$

22. From the given answer figures, choose that answer figure in which the question figure is embedded.

**Question figure:**

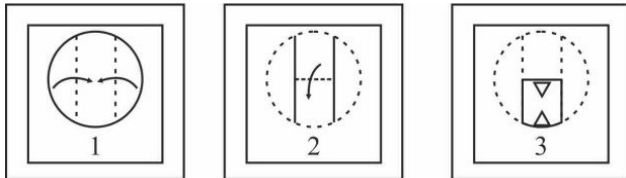


**Answer figures:**

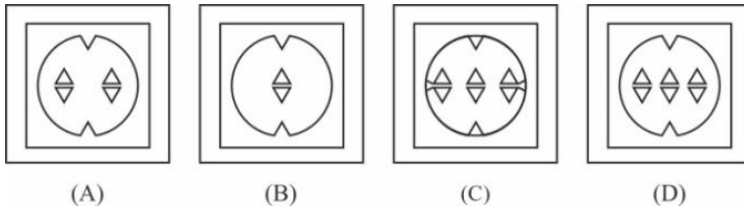


23. A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened ?

**Question figures:**

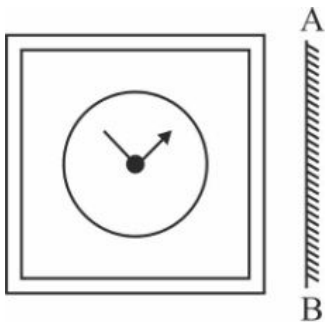


**Answer figures :**

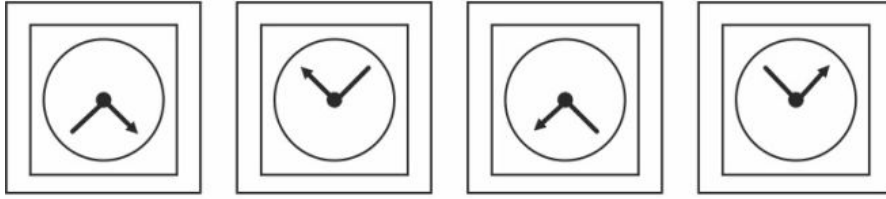


24. Which of the given answer figures will be the correct mirror image ?

**Question figure :**



**Answer Figures**



(A)

(B)

(C)

(D)

25. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix-I are numbered from 0 to 5 and that of Matrix-II are numbered from 4 to 7. A letter from these matrices can be represented first by its row and next by its column. e.g., 'A' can be represented by 00, 12 etc, and 'L' can be represented by 57, 79 etc. Similarly, you have to identify the set for the word given below : "POETS"

Matrix - I

	0	1	2	3	4
0	A	R	S	N	C
1	N	C	A	R	S
2	S	N	C	A	R
3	R	S	N	C	A
4	C	A	R	S	N

Matrix - II

	5	6	7	8	9
5	O	E	L	P	T
6	T	O	E	L	P
7	P	T	O	E	L
8	L	P	T	O	E
9	E	L	P	T	O

- (A) 69, 88, 67, 65, 01
- (B) 75, 56, 65, 67, 41
- (C) 77, 88, 98, 78, 20
- (D) 75, 99, 89, 65, 20