

09

Practice Set

- Which two numbers should be interchange to make the given equation correct?
 $20 \times 21 \div 7 - (122 + 44) + 36 + (37 + 8) = 7$
 (a) 36 and 20 (b) 7 and 21
 (c) 20 and 37 (d) 7 and 20

- Read the given statements and conclusion carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion logically follow from the statements.

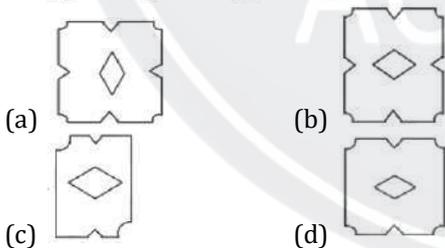
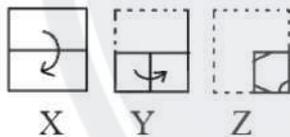
Statement :

No house is an cinema hall.
 All cinema hall is a Logistic factory.

Conclusion :

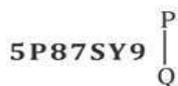
- I. No house is a Logistic factory.
- II. No Logistic factory is a house.
- III. Some Logistic factory are cinema hall.
- IV. All the Logistic factory is cinema hall.

- (a) Only conclusion I follow.
 - (b) Both conclusion I and II follow.
 - (c) Only conclusion I, II and III follow.
 - (d) Only conclusion IV follow.
- The sequence of folding a piece of square paper and the manner in which the folded paper has been cut is shown in the figures X, Y and Z. How would this paper look when unfolded?



- Four words have been given, out of which three are like in some manner and one is different. Select the word that is different.
 (a) Treason (b) disillusion
 (c) Undeceive (d) Oink

- Select the correct mirror image of the given combination when the mirror is placed to 'PQ' as shown



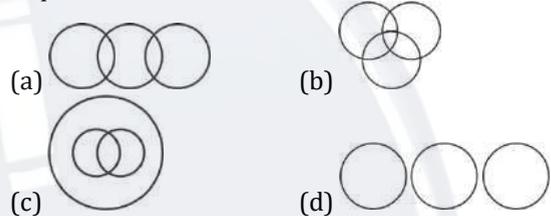
- (a)
 - (b)
 - (c)
 - (d)

- Study the given pattern carefully and select the number that can replace the question mark(?) in it.

15	9	25
18	4	81
21	?	63

- (a) 8 (b) 6
 - (c) 7 (d) 9

- Select the Venn diagram that best illustrates the relationship among following classes. Raptiles, Mammals, Insect



- Select the number from among the given options that can replace the question mark(?) in the following series.
 8, 17, 27, 29, 58, 23, ?
 (a) 105 (b) 103
 (c) 134 (d) 113

- In certain code language, 'ROMAN' is written as 'SZRLW'. How will 'PRINT' be written in that language.
 (a) YMNIT (b) YMNIU
 (c) YMNJU (d) YNMJU

- Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

- 1. Sodium
 - 2. Solution
 - 3. Satire
 - 4. Sarkari
 - 5. Sophisticate
- (a) 4, 3, 1, 2, 5 (b) 4, 3, 2, 1, 5
 - (c) 4, 3, 2, 5, 2 (d) 4, 2, 3, 5, 2

- Select the letter-cluster from among the given options that can replace question mark(?) in the following series
 DHNQ, GKKN, JNHK, MQEH, ?
 (a) PTEB (b) PETB
 (c) PQRB (d) PTBE

- Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series,
 M _ B _ L _ _ OB _ L _ M _ _ ILE

- (a) O, I, E, M, I, O, E, B
- (b) O, I, E, M, I, B, E, O
- (c) O, E, I, M, I, O, E, B
- (d) O, I, E, M, I, E, O, B

13. Select the option that is related to the third word in the same way as the second word is related to the first word.

Pig : Oink :: Horse :

- (a) Neigh
- (b) Moo
- (c) Squawk
- (d) Snort.

14. Select the option in which the given figure is embedded



- (a)
- (b)
- (c)
- (d)

15. Five letter-clusters have been given, out of which three are alike in some. Manner and one is different. Select the letter-cluster that is different.

- (a) EOQM
- (b) GRML
- (c) VWCB
- (d) DQMF

16. Select the option that is related to the third number in the same way as the second number is related to the first number.

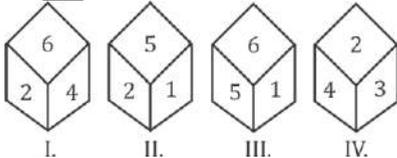
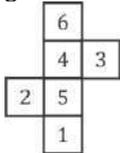
18 : 180 :: 14 :

- (a) 128
- (b) 112
- (c) 200
- (d) 144

17. Four number pair have been given, out of which three are alike in some manner and one is different. Select the number pair that is different.

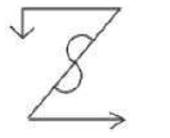
- (a) 15 : 213
- (b) 20 : 205
- (c) 8 : 193
- (d) 45 : 230

18. Select the boxes that can be formed by folding the given sheet along the lines.



- (a) Only I and II
- (b) Only II and III
- (c) Only IV
- (d) Only III

19. Select the correct mirror image of the given figure when the mirror is placed on the right of the figure.



- (a)
- (b)
- (c)
- (d)

20. What was the day of the week on 17 April, If Tuesday was on the 1st April.

- (a) Thursday
- (b) Friday
- (c) Monday
- (d) Wednesday

21. Select the option in which the words the same relationship as the shared by the given pair of words.

Pomegranate : Fruits

- (a) Television : Entertainment
- (b) Anger : Emotion
- (c) Bed : Good
- (d) Cycle : Road

22. Select the option in which the number one related in the same way as are the numbers of the following set.

(11, 12, 23)

- (a) (6, 8, 60)
- (b) (2, 8, 46)
- (c) (7, 4, 48)
- (d) (13, 15, 56)

23. Find the number of triangles in the given figure.



- (a) 14
- (b) 18
- (c) 15
- (d) 16

24. 'A # B' means 'A is the son of B'

'A @ B' means 'A is the mother of B'

'A & B' means 'A is the wife of B'

'A % B' means 'A is the sister of B'

If 'P @ Q % R # S # T & U', then which of the following statement is not correct?

- (a) R is the grandson of T.
- (b) T is wife of U
- (c) U is husband of Q.
- (d) Q is sister of R.

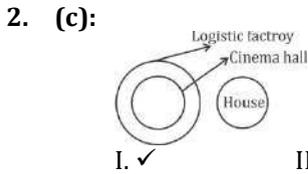
25. In a certain language, BRIDE is coded as 102 and CAT is coded as 60. How will 'COURSE' be coded in that language?

- (a) 103
- (b) 120
- (c) 81
- (d) 87



Solutions

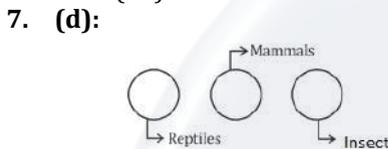
1. (a): $36 \times 21 \div 7 - (122 + 44) + 20 + (37 + 8) = 7$
 $\Rightarrow 108 - 166 + 20 + 45 = 7$
 $\Rightarrow 173 - 166 = 7 \Rightarrow 7 = 7$



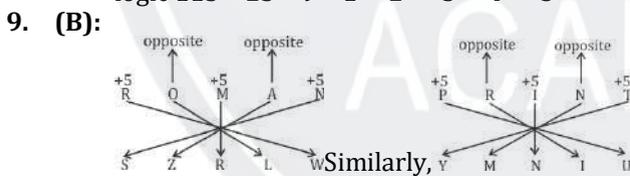
I. ✓ II. ✓ III. ✓ IV. ✗

3. (d):
 4. (d): Oink is sound of pig and rest are the synonyms.

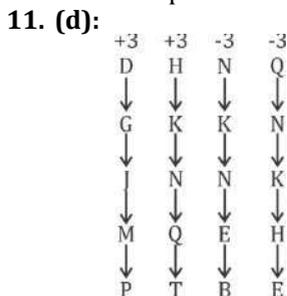
5. (a):
 6. (c): $(15)^2 = 9 \times 25 = 225$
 $(18)^2 = 4 \times 81 = 324$
 Similarly,
 $(21)^2 = 7 \times 63 = 441$



8. (d): 1st term in the series is 8.
 Second term in the series is obtained using the logic $17 = 8 + 9$
 Third term in the series is obtained using the logic $27 = 17 + 9 + 1^3$
 Forth term in the series is obtained using the logic $29 = 27 + 9 + 1^3 - 2^3$
 Fifth term in the series is obtained using the logic $58 = 29 + 9 + 1^3 - 2^3 + 3^3$
 Sixth term in the series is obtained using the logic $23 = 58 + 9 + 1^3 - 2^3 + 3^3 - 4^3$
 Seventh term in the series is obtained using the logic $113 = 23 + 9 + 1^3 - 2^3 + 3^3 - 4^3 + 5^3$



10. (a): 4. Sarkari
 3. Satire
 1. Sodium
 2. Solution
 5. Sophisticate



12. (d): MOBILE / MOBILE / MOBILE

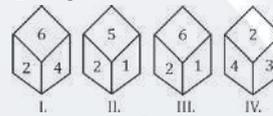
13. (a): Oink is sound of Pig, Similarly Neigh is sound of horse.

14. (b):
 15. (d): E O Q M $\Rightarrow 5 + 15 + 17 + 13 = 50$
 G R M L $\Rightarrow 7 + 18 + 13 + 12 = 50$
 V W C B $\Rightarrow 22 + 23 + 3 + 2 = 50$
 D O M F $\Rightarrow 15 + 17 + 13 + 6 = 51$

16. (b): $18 : 180 \rightarrow 18 \times (18 \div 2) + 18 = 180$
 $14 \rightarrow 14 \times (14 \div 2) + 14 = 112$

17. (a): $213 - 15 = 198$
 $205 - 20 = 185$
 $193 - 8 = 185$
 $230 - 45 = 185$ } Same Difference

18. (a): $6 \leftrightarrow 5$
 $4 \leftrightarrow 1$
 $2 \leftrightarrow 3$



By option elimination.
 Opposite faces cannot be seen together.

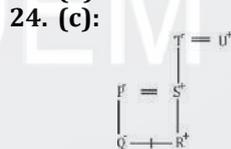
19. (d):

20. (a): 1st April = Tuesday, then,
 $1 + 7 + 7 = 15^{\text{th}}$ April will be Tuesday,
 So,
 15th April, 16th April, 17th April
 ↓ ↓ ↓
 Tuesday Wednesday Thursday

21. (b): Pomegranate is a fruit Similarly, Anger is an emotion.

22. (d): (11, 12, 23)
 $(12)^2 - (11)^2 = 144 - 121 = 23$
 Similarly,
 $(15)^2 - (13)^2 = 225 - 169 = 56$

23. (a):



25. (d):

