

16

Practice Set

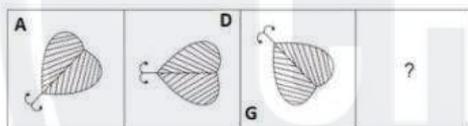
1. Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

- | | |
|-------------|------------|
| 1. Magnetic | 2. Magnify |
| 3. Magnet | 4. Magical |
| 5. Majesty | |
- (a) 3, 1, 4, 2, 5 (b) 4, 1, 3, 2, 5
 (c) 4, 3, 1, 2, 5 (d) 4, 3, 2, 1, 5

2. In a certain code language, 'POTATO' is coded as 32 - 30 - 40 - 2 - 40 - 30 and 'TURNIP' is coded as 40 - 42 - 36 - 28 - 18 - 32. How will 'RADISH' be coded in that language?

- (a) 36 - 1 - 4 - 20 - 19 - 16
 (b) 18 - 2 - 4 - 20 - 19 - 18
 (c) 18 - 1 - 8 - 18 - 38 - 18
 (d) 36 - 2 - 8 - 18 - 38 - 16

3. Select the figure from among the given options that can replace the question mark (?) in the following series



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

4. Select the number from among the given options that can replace the question mark (?) in the following series.

- 74, 74, 72, 24, ?, 4
- (a) 9 (b) 15
 (c) 20 (d) 21

5. In a class of 95 students, all play at least one of the three games - snooker, chess and tennis. 42 students play snooker, 49 play tennis, and 43 play chess. The total number of students who play any and only two games is 29. 5 students play all the

three games. The number of students who play only snooker and only chess is equal. 11 students play only snooker and tennis. 6 students play only snooker and chess. How many students play only tennis?

- (a) 22 (b) 23
 (c) 21 (d) 20

6. Two orientations of a dice are shown. This dice can be obtained by folding which of the option figures along the lines?



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

7. Select the letter - cluster from among the given options that can replace the question mark (?) in the following series.

- ECDR, BGYW, YKTB, VOOG, ?, PWEQ
- (a) RSIL (b) SRL
 (c) SSKM (d) SSJL

8. Select the option in which the given figure is embedded (rotation is NOT allowed).



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

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

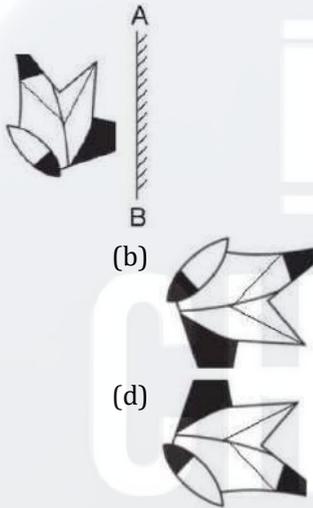
27: 576 :: 19 : ?

- (a) 256 (b) 328
(c) 543 (d) 498

10. In a certain code language, "FOREST" is written as 'GUSITU', and 'MANGROVE' is written as 'NEOHSUWI'. How will 'REINCARNATE' be written in that language?

- (a) SFOFDESOBUI (b) SIOODESOEUI
(c) QIOQDESOEUF (d) SIOODESOEFF

11. Select the correct mirror image of the given figure when the mirror is placed at 'AB' as shown.



12. Select the number from among the given options that can replace the question mark (?) in the following series.

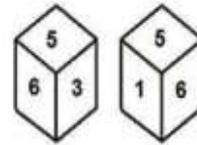
24, ?, 52, 312, 320

- (a) 48 (b) 35
(c) 30 (d) 42

13. In a certain code language, 'this is fact' is written as 'cuz duz ruz', 'fact is fictional' is written as 'guz ruz cuz', and 'doubt is clear' is written as 'cuz kuz buz'. How will 'this is fictional' be written in that language?

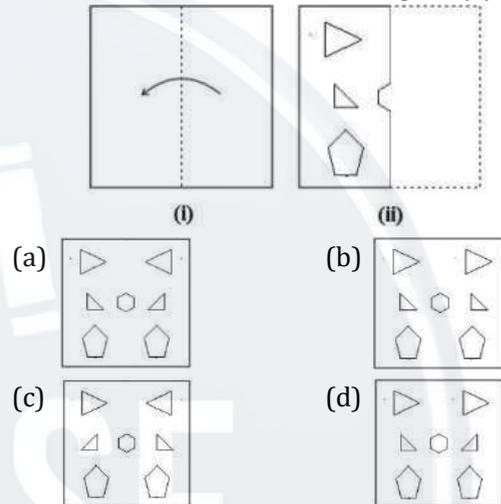
- (a) duz guz cuz (b) kuz guz ruz
(c) duz guz ruz (d) duz buz cuz

14. Two different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be on the face opposite to the face having the number '3'.



- (a) 1 (b) 2
(c) 4 (d) 6

15. The sequence of folding a piece of paper (figure i) and the manner in which the folded paper has been cut (figures ii) is shown in the following figures. Select the option that would most closely resemble the unfolded form of figure (ii).



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

IVORY : ZWSPJ :: CREAM : ?

- (a) SNFDB (b) NFDQB
(c) BQDZL (d) DSFCN

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

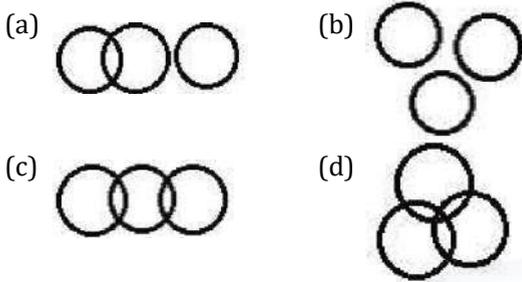
Statements: All employees are tax - payers.
Some employees are farmers.
Some farmers are doctors.

Conclusions: I. No farmer is a tax - payer.
II. Some farmers are tax - payers.

- (a) Only conclusion I follows.
(b) Both the conclusions follow.
(c) Only conclusion II follows.
(d) Either conclusion I or II follows.

18. Select the Venn diagram that best illustrates the relationship between the following classes.

Athletes, Boys, Students



19. Which letter will replace the question mark (?) in the following letter series?

E, J, N, Q, S, ?

- (a) T
- (b) S
- (c) V
- (d) U

20. Pointing towards a woman, Reena said, "She is the only daughter of my father - in - law."

How is the woman related to Reena?

- (a) Daughter
- (b) Sister - in - law
- (c) Sister
- (d) Mother

21. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

15	81	12
18	99	15
17	120	?

- (a) 9
- (b) 11
- (c) 13
- (d) 16

22. Five friends, H, I, J, K and L are top rank holders of a school. The rank of H is just above the rank of K and just below the rank of L. I is at the top rank and J is not at the lowest rank. Who among them is at the lowest rank?

- (a) L
- (b) K
- (c) M
- (d) J

23. Which two signs need to be interchanged to make the following equation correct?

$$72 \times 18 \div 9 + 19 - 39 = 16$$

- (a) + and \times
- (b) \div and \times
- (c) - and \times
- (d) - and +

24. Four 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) WPHY
- (b) MFXO
- (c) GZSH
- (d) BUMD

25. Which two signs should be interchanged to make the given equation correct?

$$28 + 14 \times 7 \div 5 - 18 = 20$$

- (a) \div and -
- (b) + and \times
- (c) \div and +
- (d) \div and \times

Solutions

1. (c):

2. (d):

16	15	20	1	20	15
P	O	T	A	T	O
$\times 2 \downarrow$					
32	30	40	2	40	30

Similarly,

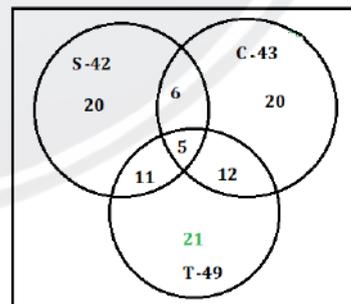
RADISH will be coded as 36 - 2 - 8 - 18 - 38 - 16

3. (c):

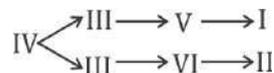
4. (c):

74	74	72	24	20	4
~~~~~					
-0	-2	$\div 3$	-4	$\div 5$	

5. (c): Total student = 95



6. (c):



7. (d): -3, +4, -5, +5, pattern follows.

8. (c):



9. (a):

Ist No. - 3 = (IInd number)²  
 27 - 3 = (24)² = 576  
 Similarly,  
 19 - 3 = (16)² = 256

10. (b): Consonants are added +1 in alphabet order.  
 Vowels are added +1 in vowel order and the next vowel is obtained.

Vowel order Vowel  
 A E I O U  
 ↓ ↓ ↓ ↓ ↓  
 1 2 3 4 5  
 This mean  
 A → +1 → E → +1 → I → +1 → O → +1 → U  
 +1 +1 +1 +1 +1 +1  
 F O R E S T  
 ↓ ↓ ↓ ↓ ↓ ↓  
 G U S I T U

Similarly,  
 R E I N C A R N A T E  
 +1 ↓ +1 ↓ +1 ↓ +1 ↓ +1 ↓ +1 ↓ +1 ↓ +1 ↓ +1 ↓ +1 ↓  
 S I O O D E S O E U I

11. (c):

12. (a):

24, 48, 52, 312, 320  
 ×2 +4 ×6 +8

13. (a):

This is fact      cuz    duz    ruz  
 Fact is fictional    guz    ruz    cuz  
 Doubt is clear      cuz    kuz    buz  
 This is fictional    duz    cuz    guz

14. (a): Two digits are same on the both dice. So, '1' will be the opposite face of '3'.

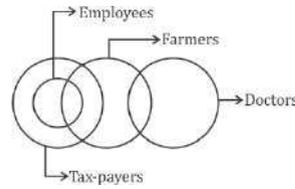
15. (a):

16. (a):

↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓  
 9   22   15   18   25   25   25   18   15   9  
 Alphabet Order    +1    +1    +1    +1    +1  
 Z   W   S   P   I  
 Decrease Order

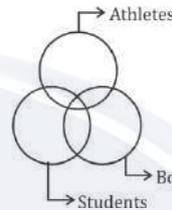
Similarly,  
 Same pattern followed for 'CREAM'

17. (c):

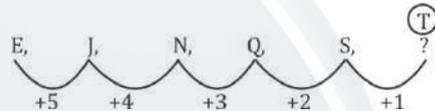


- I. ×
- II. ✓

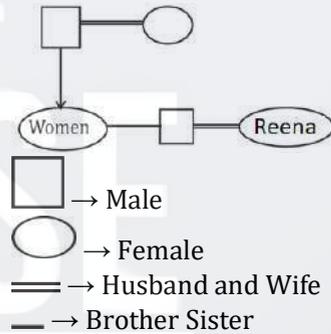
18. (d):



19. (a):



20. (b):



21. (c): Row: (1st number + 3rd number) × (1st number - 3rd number) = 2nd Number

22. (b):



23. (b): 72 ÷ 18 × 9 + 19 - 39 = 16  
 4 × 9 + 19 - 39  
 36 + 19 - 39 = 16  
 16 = 16

24. (c): -7, -8, -9, Pattern follows except in option (c).

25. (d): 28 + 14 ÷ 7 × 5 - 18 = 20  
 28 + 10 - 18 = 20  
 20 = 20