

What is the position of D from the left?



Y. Arunveera Kumar

Subject Expert

IACE

MODEL QUESTIONS

Directions: In questions no. 1 to 3, select the related word/ letters/ number from the given alternatives.

- Walker Cup: Golf:: Wimbledon Trophy : ?
A) Wrestling B) Hockey
C) Polo D) Tennis
- CUZA: HYCC :: NNJO : ?
A) TURS B) SRMQ
C) TRMP D) SSNR
- 25: 49 :: 37 : ?
A) 41 B) 56
C) 60 D) 65

Directions: In questions no. 4 to 6, select the one which is different from other three alternatives.

- A) School B) Principal
C) Teacher D) Student
- A) JT B) SK
C) DZ D) AR
- A) (48, 6) B) (21, 7)
C) (24, 3) D) (56, 7)

Directions: In questions No. 7 to 9, series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

- 45, 43, 83, 245, 975, ?
A) 4869 B) 4846
C) 4896 D) 4852
- C2E, E5H, G12K, I27N, ?
A) I58P B) J58Q
C) K58Q D) I57Q
- 6, 12, 21, 33, ?
A) 45 B) 48
C) 40 D) 46

10. Arrange the following words according to English Dictionary.

1. Apple 2. Appreciate
3. Apply 4. Application
5. Apartment
A) 5, 1, 2, 4, 3 B) 5, 3, 1, 2, 4
C) 5, 1, 3, 4, 2 D) 5, 1, 4, 3, 2

11. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

- _ a _ a _ b _ a _ b _ a b _ a a b
A) b a b a b B) a a a b b
C) b b a a b D) b b b a a

12. If water is called food, food is called tree, tree is called sky, sky is called wall, on which of the following grows a fruit?

- A) Water B) Food
C) Sky D) Tree

13. Pointing to Seema, Hari says "she is the mother of Mahesh, who is my only grandson. How is Seema related to Hari?"

- A) Daughter-in-law
B) Father C) Wife
D) Mother

14. In this question, a word has been given following by four other words, one of which cannot be formed by using the letters of the given word. Find this word. 'CHEMOTHERAPY'

- A) HECTARE
B) MOTHER C) TOMY
D) FATHER

15. Six persons A, B, C, D, E and F are walking in a line. C is in front of B. D is behind A, but in front of C. E is behind A, but in front of D. F is in front of A. Who is walking on the extreme back?

- A) D B) B
C) C D) F

16. If day before yesterday was Thursday, then when will



Monday be?

- A) Today
B) Day after tomorrow
C) Two days after tomorrow
D) Day before tomorrow

17. B is South-West of A, C is to the East of B and South-East of A and D is to the North of C in line with B and A. In which direction of A is D located?

- A) North-East
B) North
C) East
D) South-West

18. In a row of boys, A is thirteenth from the left and D is seventeenth from the right. If in this row A is eleventh from the right, then what is the position of D from the left?

- A) 6th B) 7th
C) 10th D) 12th

19. 5 4 41
7 3 58
10 2 ?

- A) 34 B) 12
C) 99 D) 104

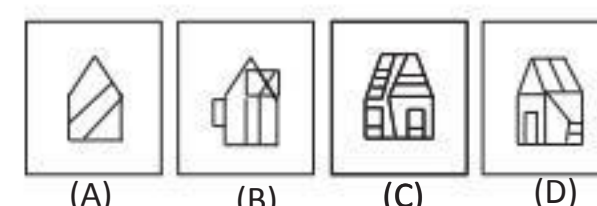
20. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

- 8 * 5 * 2 * 72 * 4
A) $\times + \div$ B) $\times = + \div$

C) $\times + = \div$ D) $+ \times = \div$

21. Select the answer figure in which the question figure is hidden /embedded.

Question figure:



22. **Directions:** A word is represented by only one set of numbers as given in one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the 2 matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II from 5 to 9. A letter from these matrices can be represented first by its row and next by its column number. E.g., 'M' can be represented by 14, 21 etc. 'O' can be represented by 20, 32 etc. Similarly you have to identify the set for the word 'PIMP' from the following options?

	0	1	2	3	4
0	F	N	M	S	R
1	S	R	F	O	M
2	O	M	S	R	F
3	R	F	O	M	S
4	M	S	R	F	O

	5	6	7	8	9
5	A	T	D	I	P
6	I	P	A	T	D
7	T	D	I	P	A
8	P	A	T	D	I
9	D	I	P	A	T

- A) 66, 77, 21, 79
B) 97, 58, 33, 98
C) 59, 77, 21, 85
D) 59, 58, 33, 58

23. How many such pairs of digits are there in the number 563287419 each of which has as many digits between them in the given number as when they are arranged in ascending order?

- A) None B) One
C) Two D) Three

Directions (24-28): Study the following information carefully and answer the questions given below.

Nine people A, B, C, D, E, F, G, H and I were born in different years among 1921, 1925, 1926, 1931, 1934, 1938, 1943, 1947 and 1950 (not necessarily in the same order). C was born immediately before A. D was born in 1943. Only one person was born between C and F. H was born in 1926. I was not the youngest person. Four people were born between E and B where E is elder to B.

24. Who was the youngest person?

- A) A B) B
C) G D) F

25. How many people were born before A?

- A) 3 B) 4
C) 5 D) 6

26. What is the difference in the birth year of D and C?

- A) 7 B) 11
C) 12 D) 18

27. Who was born in the year 1947?

- A) I B) G
C) A D) C

28. How many people were born after F but before B?

- A) 3 B) 6
C) 8 D) 7

KEY WITH SOLUTIONS

1. **D;** "Walker cup" is related to "Golf". Similarly, "Wimbledon trophy" is related to "Tennis".

2. **B;**
C U Z A N N J O
+5 +4 +3 +2 +5 +4 +3 +2
H Y C C S R M Q

3. **D;**

$$\begin{array}{c} +1 \\ +1 \\ 7^2 + 0 \quad 8^2 + 1 \\ \uparrow \\ 25 : 49 :: 37 : 65 \\ \downarrow \\ 5^2 + 0 \quad 6^2 + 1 \\ \uparrow \\ +1 \end{array}$$

4. **A;** Principal, teacher and student are the part of a school.

5. (A) J=10 T=20 J+T = 30
(B) S=19 K=11 S+K = 30
(C) D=4 Z=26 D+Z = 30
(D) A=1 R=18 A+R=19

Sum of the letter values for all the options are same except for (D).

6. Result for all the options is 8, except for (B).

- (A) $48 \div 6 = 8$ (B) $21 \div 7 \neq 8$
(C) $24 \div 3 = 8$ (D) $56 \div 7 = 8$

7. **A;**

45 43 83 245 975 4869
 $\times 1-2 \quad \times 2-3 \quad \times 3-4 \quad \times 4-5 \quad \times 5-6$

8. (C)

$$\begin{array}{ccccccc} & & \times 2+1 & & \times 2+1 & & \times 2+1 \\ +3 & & +7 & & +15 & & +31 \\ C & 2 & E & E & 5 & H & G & 12 & K & I & 27 & N & K & 58 & Q \\ +2 & & +2 & & +2 & & +2 & & +2 & & +2 & & +2 & & +2 \\ +3 & & +3 & & +3 & & +3 & & +3 & & +3 & & +3 & & +3 \end{array}$$

9. **B;**

6 12 21 33 48
 $+6 \quad +9 \quad +12 \quad +15$

10. **D;**

5. Apartment

1. Apple
4. Application
3. Apply
2. Appreciate

11. **C;** ba ab/b a ab/b a a b/b a a b

12. **C;** Sky

13. **A;**

Daughter-in-law/
Daughter
Seema
↑ Mother
Mahesh+ Only grandson

14. **D;**

FATHER No letter 'F' in the source word.

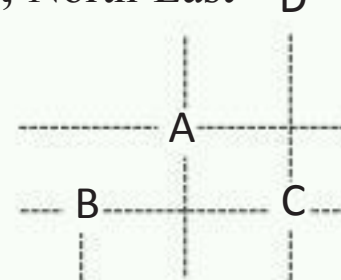
15. **B;**

B → C → D → E → A → F

16. **B;**

Day after tomorrow
Thu Fri Sat Sun Mon
↑ ↑ ↑ ↑ ↑
↓ ↓

17. **A;** North-East D



18. **B;** 7th



So, total number of boys in row = 13+11-1 = 23

Now the position of D from left = 23+1-17 = 7

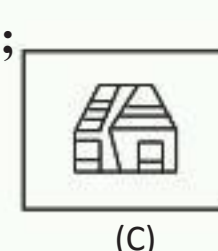
19. **D;**

$5^2 + 4^2 = 25 + 16 = 41$
 $7^2 + 3^2 = 49 + 9 = 58$
 $10^2 + 2^2 = 100 + 4 = 104$

20. **D;**

$+ \times = \div$
 $8 + 5 \times 2 = 72 \div 4$
 $8 + 10 = 18$
 $18 = 18$

21. **C;**



22. (C)

59, 77, 21, 85
P I M P

23. (C)

$$\begin{array}{ccccccccc} 5 & 6 & 3 & 2 & 8 & 7 & 4 & 1 & 9 \\ 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 \end{array}$$

(24-28):

YEAR	PERSON
1921	E
1925	F
1926	H
1931	C
1934	A
1938	B
1943	D
1947	I
1950	G

24. **C**

25. **B**

26. **C**

27. **A**

28. **A**