

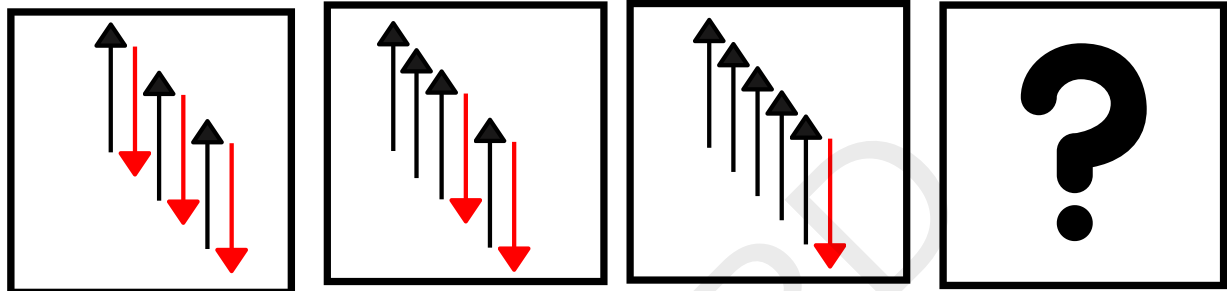


DEFENCE ORIENTED SSB AND PERSONALITY DEVELOPMENT PROGRAM

DETAILED SOLUTION

Question Paper link: <https://oir-list.colonelvyas.org>

1. Find the next figure -



Notice the pattern of Red Coloured Arrows pointing downward. Hence the answer would be option C.

Answer:



C

2. Write the last letter of the rearranged sentence

not that gold glitters is all

Answer: All that glitters is not gold.

3. If 'white' is called 'blue', 'blue' is called 'red', 'red' is called 'yellow', 'yellow' is called 'green', 'green' is called 'black' is called 'violet' and 'violet' is called 'orange', then what would be the 2nd letter of colour of human blood.

Solution:

White	→	Blue
Blue	→	Red
Red	→	Yellow
Yellow	→	Green
Green	→	Black
Black	→	Violet
Violet	→	Orange

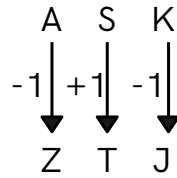
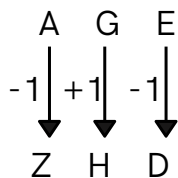
Blood is of Red Colour, and Red is called Yellow. Hence, the answer would be 'e' from Yellow

4. _____ : trail :: grain : grail

- a. grail b. grainy c. train d. Trol e. path

Answer: c. train

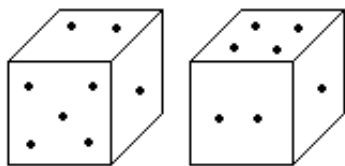
5. (AGE) : (ZHD) :: (ASK) : _____



Answer: ZTJ

A = 1	K = 11	U = 21
B = 2	L = 12	V = 22
C = 3	M = 13	W = 23
D = 4	N = 14	X = 24
E = 5	O = 15	Y = 25
F = 6	P = 16	Z = 26
G = 7	Q = 17	
H = 8	R = 18	
I = 9	S = 19	
J = 10	T = 20	

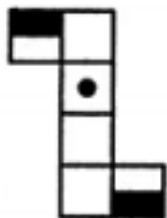
6. Two positions of dice are shown below. How many points will appear on the opposite to the face containing 5 points?



Solution: Just rotate the side with 2 dots to the position where 4 dots are visible in 2nd cube and try imagining the situation.

Answer: 4

7. Choose the box that is similar to the box formed from the given sheet of paper (X)?



(X)



(1)



(2)



(3)



(4)

(a) Only one

(b) Only two

(c) Only three

(d) All of these

The fig. (X) is similar to Form II. So, when a cube is formed by folding the sheet shown in fig. (X), then the two half-shaded faces lie opposite to each other and one of the three blank faces appears opposite to the face bearing a dot. Clearly, each one of the four cubes shown in figures (1), (2), (3) and (4) can be formed by folding the sheet shown in fig. (X).

Answer: (d) All of these

8. Which letter replaces the question mark.

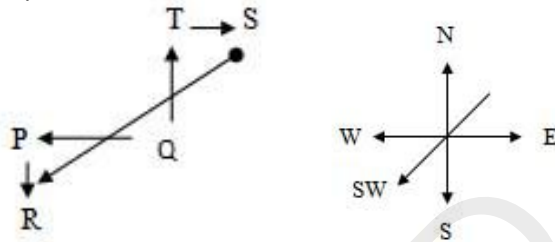
N	252	R
T	500	Y
Y	400	P
K	132	L
G	182	?

Solution: In each row, multiply the numerical values of the left and right hand letters, putting the result in the centre.

Hence, answer is Z

9. Of the five villages P, Q, R, S and T situated close to each other, P is to the West of Q, R is to the South of P, T is to the North of Q and S is to the East of T. Then, in which direction R is with respect to S?

Answer: South West (SW)



10. Choose the number which is different from others in the group?

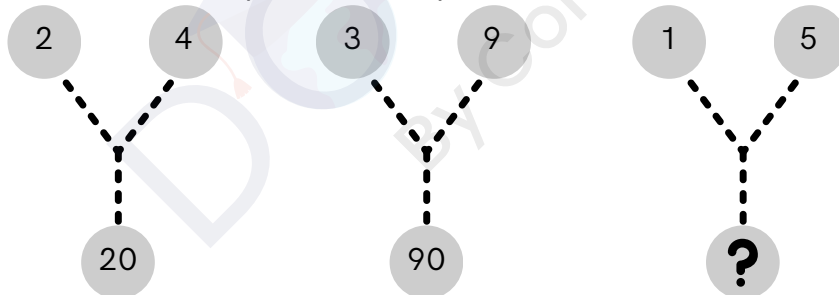
(a) 64 (b) 162 (c) 27 (d) 144

Answer: 64

162, 27 and 144 is divisible by 9

But 64 is not divisible by 9.

11. Which number replaces the question mark.



Answer: In the first sequence: $(2)^2 + (4)^2 = 20$

In second sequence: $(3)^2 + (9)^2 = 90$

Similarly, In third sequence: $(1)^2 + (5)^2 = 26$

12. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence.

When he

P : did not know

Q : he was nervous and

R : heard the hue and cry at midnight

S : what to do

The Proper sequence should be:

Answer: The sentence would be:

Head the hue and cry at midnight he was nervous and did not know what to do.

A. RQPS

13. Choose the number pair/group which is different from others?

(a) 7: 22 (b) 12 : 37 (c) 8 : 33 (d) 15 : 46

Answer: In all pairs other than 8:33, 2nd number = (1st number \times 3) + 1.

Hence, (c) 8:33

14. Find the odd one out

(a) Crusade (b) Campaign (c) Expedition (d) Cruise

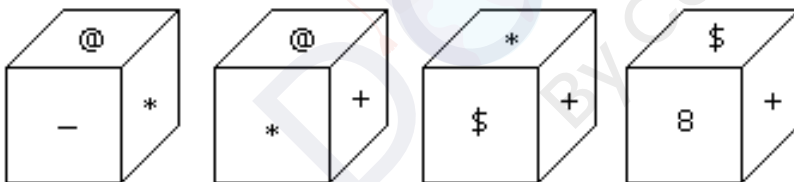
option D: cruise It's because rest all mean expedition or campaign whereas this word means a sail set to voyage.

15. Which of the following diagrams indicates the best relation between Travelers, Train and Bus ?



16. Which symbol will be on the face opposite to the face with symbol * ?

Answer: c. 8




Answers can't be @ , - , + \$ as we are able to see in 1st, 2nd and 3rd diagram that they are its neighbor and so it can't be opposite face. Thus eliminating the options, answer can only be option C 8

17. The total of the ages of Amar, Akbar and Anthony is 80 years. What was the total of their ages three years ago ?

18. Which of the following diagrams indicates the best relation between Author, Lawyer and Singer ?

B.

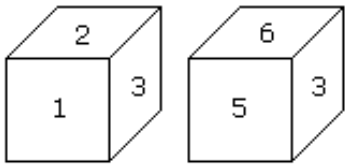


All the three are different professions.

19. Choose the word which is different from the rest.
A. Kiwi B. Eagle C. Emu D. Ostrich

Solution: All except Eagle are flightless birds. Hence, b. Eagle.

20. Which digit will appear on the face opposite to the face with number 4?



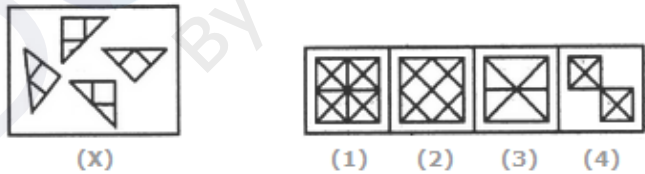
3 is common in both the image of dice and 1,2,5,6 cant be in the opposite face, hence 4 is answer

21. Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



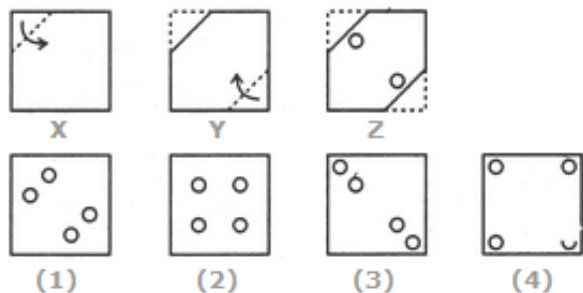
Here, clearly we can see that Figure 1 is obtained from figure(X).

22. Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



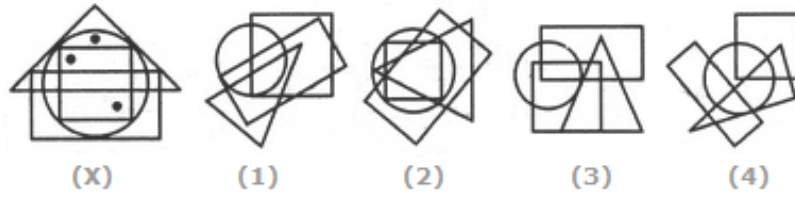
Here, 1st picture is made from all elements of figure (X).

23. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



Answer: (3)

24. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



Answer: (2)

In fig. (X), one of the dots lies in the region common to the circle and the triangle only, another dot lies in the region common to the circle, the square and the triangle only and the third dot lies in the region common to the circle, the square and the rectangle only. In each of the figures (1) and (3) there is no region common to the circle and the triangle only. In fig. (4) there is no region common to the circle, the square and the rectangle only. Only fig. (2) consists of all the three types of regions.

25. DIVA: OPERA

A. producer: theatre B. director: drama C. conductor: bus D. thespian: play

Answer: D

Diva (woman singer) plays a leading role in an opera (musical play). Similarly, thespian (actor) plays a leading role in a play.

26. 7, 10, 8, 11, 9, 12, ... What number should come next?

7, 10, 8, 11, 9, 12, ...

7, 8, 9 10, 11, 12

This is an alternating sequence, hence the next term will be from red category i.e. 10

7, 10, 8, 11, 9, 12, 10...

27. 36, 34, 30, 28, 24, ... What number should come next?

36, 34, 30, 28, 24, ...

36, 30, 24

34, 28 ..

$$\underline{36} = 6 \times 6$$

$$\underline{30} = 6 \times 5$$

$$\underline{24} = 6 \times 4$$

$$\underline{34} = (6 \times 6) - 2$$

$$\underline{28} = (6 \times 5) - 2$$

Therefore, next number in this pattern will be

$$(6 \times 4) - 2 = 22$$

28. 53, 53, 40, 40, 27, 27, ... What number should come next?

Solution: **$53 - 40 = 13$**

$40 - 27 = 13$

Therefore, next number in pattern will be **$27 - 13 = 14$**

29. Tanya is older than Eric.

Cliff is older than Tanya.

Eric is older than Cliff.

If the first two statements are true, the third statement is _ _ _

A. true

B. false

C. uncertain

Solution: B. False

1st statement: Tanya is elder than Eric.



Tanya



Eric

2nd statement: Tanya is elder than Eric.

If Tanya is elder than Eric and Tanya is younger than Cliff, then it can be said that Eric is also younger than Cliff.

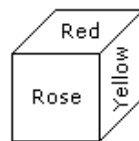
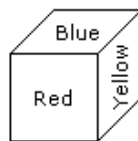
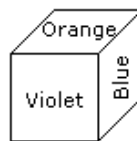
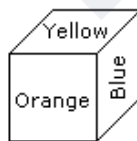


Cliff



Tanya

30. From the four positions of a dice given below, find the color which is opposite to yellow ?



Solution: Violet

31. Choose the alternative which is closely resembles the water-image of the given combination.

NUCLEAR

(1) RAEJUN

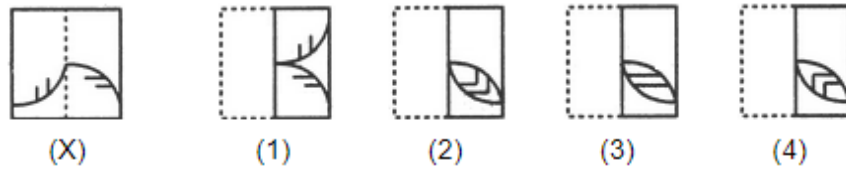
(3) NUCLEAR

(2) NUCLEAR

(4) NUCLEAR

Solution: 4

32. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line



Solution: 4

33. Army : Logistics :: ? : ?

a. Team:Individual b. Fight:Friends c. Soldier:Men d. Business:Strategy

Solution: d. Business:Strategy

Second is required for the first to be successful.

34. Gajapathi is performing yoga with his head down and legs up. His face is towards the west. In which direction, will his left hand be ?

a. North b. South c. East d. West

Solution: a. North

35. Arrange the given words Alphabetical Order and choose the one that comes first.

a. Narrate b. Native c. Nature d. Nascent

Solution: a. Narrate

36. Direction: Read following information carefully and answer the questions given below it:

- (i) A and B are good in Biology & Chemistry.
- (ii) A & C are good in Biology & Physics.
- (iii) C, D & E are good in Physics & History.
- (iv) C & E are good in Physics & Mathematics.
- (v) D & B are good in Chemistry & History.

Who is good in Physics, History & Mathematics but not in Biology?

Solution: E is good.

37. In the following question select the one which is different from the other three responses.

(a) DEB (b) RTP (c) HIF (d) NOL

Solution: b. RTP

1. D(E)B → vowel in the middle

3. H(I)F → vowel in the middle

4. N(O)L → vowel in the middle Option

(2). No vowel in the middle.

38. Five men A, B, C, D and E read a newspaper. The one who reads first gives it to C. The one who reads last had taken from A. E was not the first or last to read. There were two readers between B and A.

B passed the newspaper to whom?

- (a) A (b) C (c) D (d) E

Solution: (b) C

C is the second reader. A is the second last reader. E is not the first or last to read. So, E is the third reader. There were two readers between B and A. So, the order of reading the newspaper is : B, C, E, A, D. (2) B passed the newspaper to C.

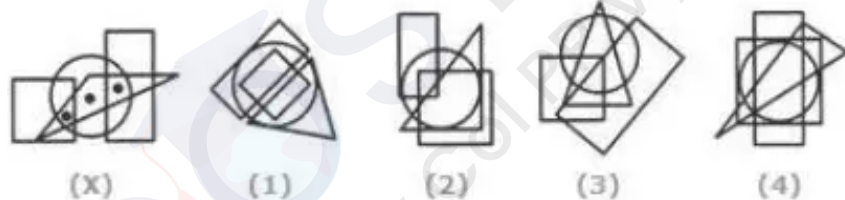
39. Three of the four are alike in a certain way & so form a group. Which does not belong to that group

- (a) Robust : Weak (b) Chaos : Peace (c) Cruel : Kind (d) Abduct : Kidnap

Solution: (d)

The first 3 pairs indicate opposite of one another, whereas (d) is a pair of words having same meaning.

40. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



Solution: (3)

In figure 4 all the conditions are satisfied. You will be able to put the dots in the combination as given in the (x) - Dot in only Circle and Triangle, Dot in circle, triangle and rectangle and dot in triangle circle square.

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