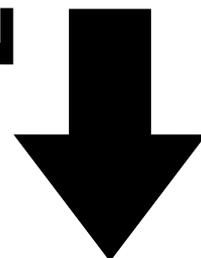


**DEFENCE ORIENTED SSB AND PERSONALITY DEVELOPMENT PROGRAM****SOLUTIONS**

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

1	c	11	c	21	a	31	d
2	c	12	a	22	a	32	d
3	b	13	c	23	c	33	d
4	c	14	d	24	b	34	b
5	e	15	d	25	d	35	d
6	d	16	c	26	a	36	b
7	d	17	d	27	e	37	d
8	e	18	b	28	b	38	d
9	d	19	b	29	b	39	b
10	a	20	c	30	c	40	c

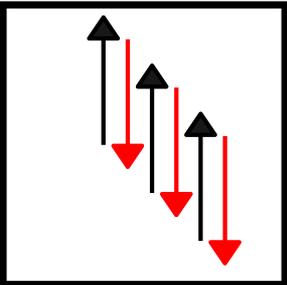
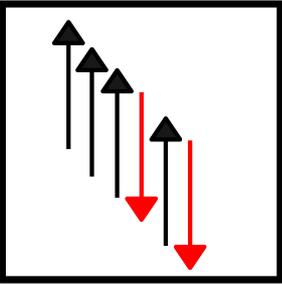
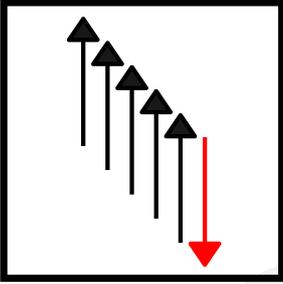
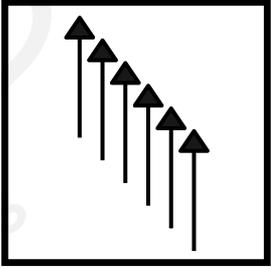
DETAILED SOLUTION



DEFENCE ORIENTED SSB AND PERSONALITY DEVELOPMENT PROGRAM

DETAILED SOLUTION

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

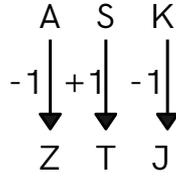
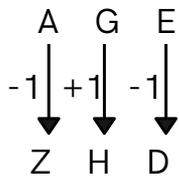
<p>1.</p>	<p>Find the next figure -</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div> <p>Notice the pattern of Red Coloured Arrows pointing downward. Hence the answer would be option C.</p> <p style="text-align: right;">Answer:</p> <div style="display: flex; justify-content: flex-end; align-items: center;"> <p style="margin-right: 10px;">C</p>  </div>																					
<p>2.</p>	<p>Write the last letter of the rearranged sentence</p> <p style="text-align: center;">not that gold glitters is all</p> <p>Answer: All that glitters is not gold. Option: (c) D</p>																					
<p>3.</p>	<p>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.</p> <p>Solution:</p> <table style="margin-left: 20px;"> <tr> <td>White</td> <td>→</td> <td>Blue</td> </tr> <tr> <td>Blue</td> <td>→</td> <td>Red</td> </tr> <tr> <td>Red</td> <td>→</td> <td>Yellow</td> </tr> <tr> <td>Yellow</td> <td>→</td> <td>Green</td> </tr> <tr> <td>Green</td> <td>→</td> <td>Black</td> </tr> <tr> <td>Black</td> <td>→</td> <td>Violet</td> </tr> <tr> <td>Violet</td> <td>→</td> <td>Orange</td> </tr> </table> <div style="background-color: #e0e0e0; padding: 10px; margin-top: 10px;"> <p>Blood is of Red Colour, and Red is called Yellow. Hence, the answer would be 'e' from Yellow</p> <p style="text-align: center;"><u>OPTION: b</u></p> </div>	White	→	Blue	Blue	→	Red	Red	→	Yellow	Yellow	→	Green	Green	→	Black	Black	→	Violet	Violet	→	Orange
White	→	Blue																				
Blue	→	Red																				
Red	→	Yellow																				
Yellow	→	Green																				
Green	→	Black																				
Black	→	Violet																				
Violet	→	Orange																				

4. _____ : trail :: grain : grail

Options: a. grail b. grainy c. train d. Trol e. path

Answer: c. train

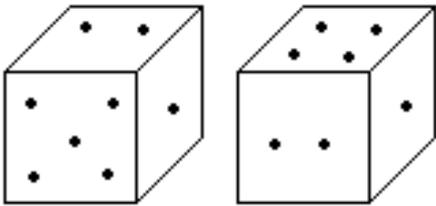
5. (AGE) : (ZHD) :: (ASK) : _____



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	

Answer:- e. ZTJ

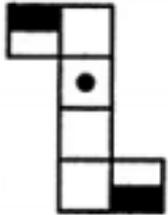
6. Two positions of dice are shown below. How many points will appear on the opposite to the face containing 5 points?



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: d. 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.

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

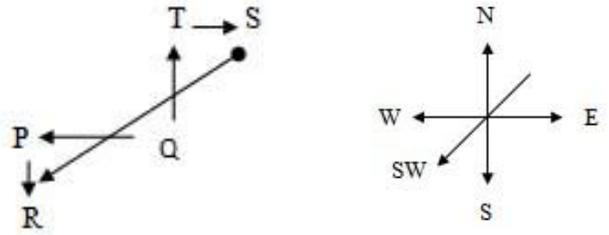
Hence, answer is Z

Answer: (e) Z

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

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: d. South West (SW)



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

(a) 64 (b) 162 (c) 27 (d) 144 (e) 180

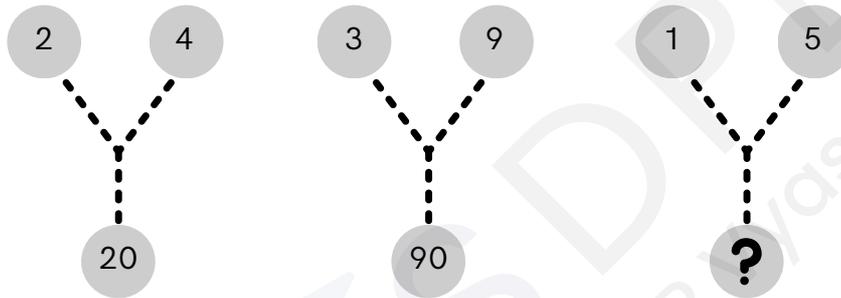
Answer: 64

162, 27, 180 and 144 is divisible by 9

But 64 is not divisible by 9.

Option: a. 64

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: $(1)^2 + (5)^2 = 26$

Option: c. 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

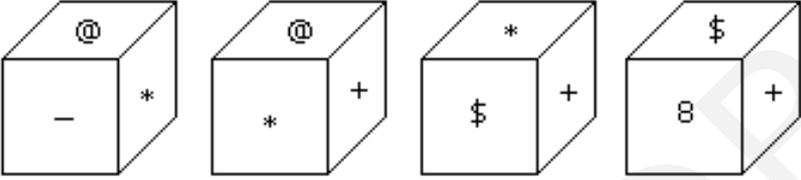
R : heard the hue and cry at midnight

S : what to do

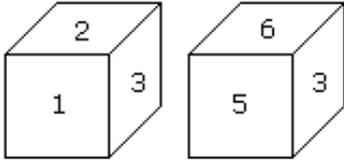
The Proper sequence should be:

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

OPTION: a. RQPS

<p>13.</p>	<p>Choose the number pair/group which is different from others?</p> <p>(a) 7 : 22 (b) 12 : 37 (c) 8 : 33 (d) 15 : 46 (e) 6 : 19</p> <p>Answer: In all pairs other than 8:33, 2nd number = (1st number × 3) + 1.</p> <p>Option: (c) 8:33</p>
<p>14.</p>	<p>Find the odd one out</p> <p>(a) Crusade (b) Campaign (c) Expedition (d) Cruise</p> <p>option d: cruise It's because rest all mean expedition or campaign whereas this word means a sail set to voyage.</p>
<p>15.</p>	<p>Which of the following diagrams indicates the best relation between Travelers, Train and Bus?</p> <p>D. </p>
<p>16.</p>	<p>Which symbol will be on the face opposite to the face with symbol * ?</p> <div style="display: flex; align-items: center; justify-content: center;">  <div style="margin-left: 20px;"> <p>Option: c. 8</p> </div> </div> <p>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</p>
<p>17.</p>	<p>The total of the ages of Amar, Akbar and Anthony is 80 years. What was the total of their ages three years ago ?</p> <p>Option: d. 71</p>
<p>18.</p>	<p>Which of the following diagrams indicates the best relation between Author, Lawyer and Singer ?</p> <p>B. </p> <p>All the three are different professions.</p>
<p>19.</p>	<p>Choose the word which is different from the rest.</p> <p>A. Kiwi B. Eagle C. Emu D. Ostrich</p> <p>Solution: All except Eagle are flightless birds. Hence, b. Eagle.</p>

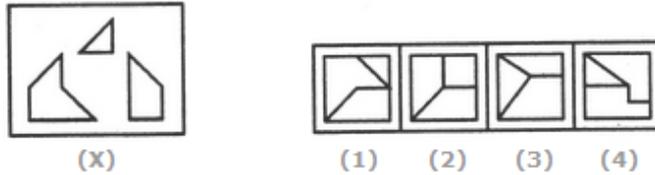
20. Which digit will appear on the face opposite to the face with number 4?



Option: c. 3

3 is common in both the image of dice and 1,2,5,6 can't be in the opposite face, hence c is the answer.

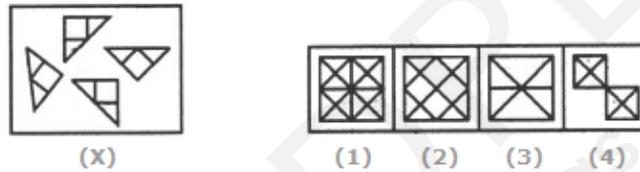
21. Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



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

Option: a

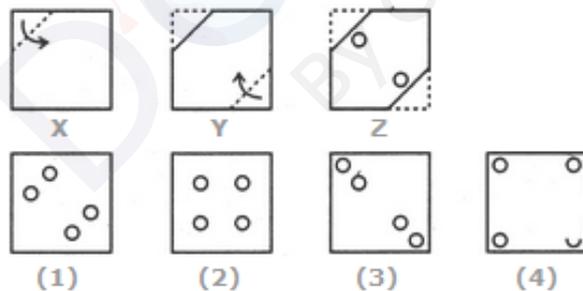
22. Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



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

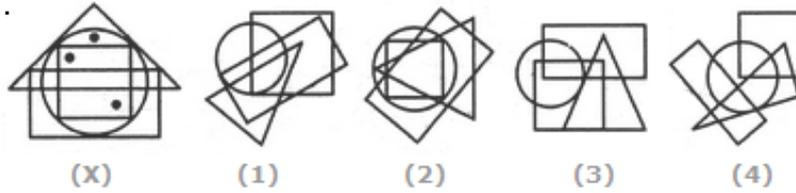
Option: a

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



Option: c. (3)

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



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.

Option b. (2)

25. DIVA:OPERA

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

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

Option d

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**...

Option a. 10

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

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

36,30,24 34, 28 ..

36 = 6 x 6

30 = 6 x 5

24 = 6 x 4

34 = (6 x 6) - 2

28 = (6 x 5) - 2

Therefore, next number in this pattern will be

(6 x 4) - 2 = 22

Option e. 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 $27 - 13 = 14$

Option b. 14

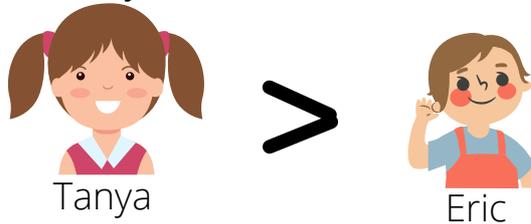
29. Tanya is older than Eric.
Cliff is older than Tanya.
Eric is older than Cliff.
If the first two statements are true, the third statement is _ _ _

A. true

B. false

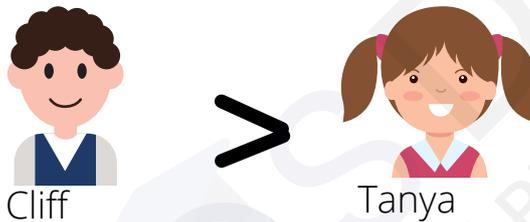
C. uncertain

1st statement: Tanya is elder than Eric.



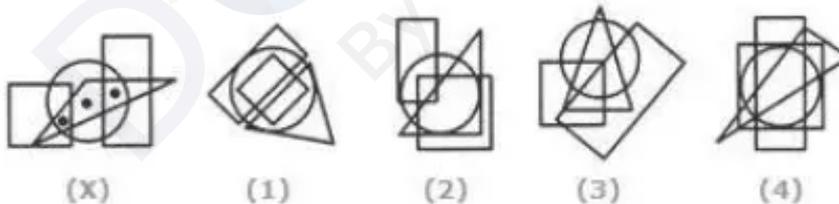
If Tanya is elder than Eric and Tanya is younger than Cliff, then it can be said that Eric is also younger than Cliff.

2nd statement: Tanya is elder than Eric.



Option: B. False

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



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.

Option: c. (3)

31.

Army : Logistics :: ? : ?

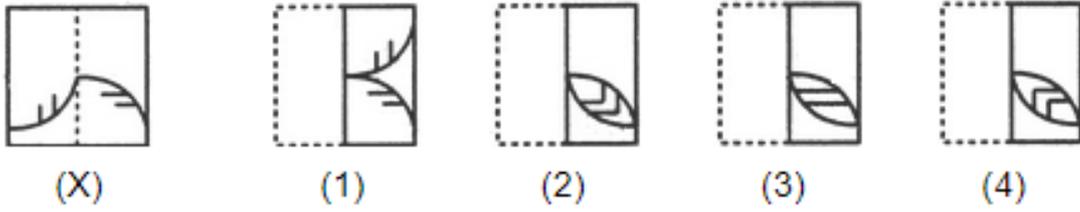
- a. Team:Individual
- b. Fight:Friends
- c. Soldier:Men
- d. Business:Strategy

Solution: d. Business:Strategy

Second is required for the first to be successful.

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.



Option d. (4)



33.

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

Option: (d)

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

34.

If birth : death :: living : -----

- Options a. death
- b. dying
- c. fighting
- d. crying
- e. killing

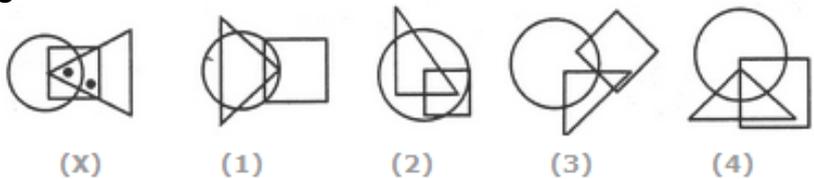
Option: b.

Opposite of BIRTH is DEATH. Similarly, opposite of LIVING is DYING.

35.

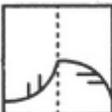
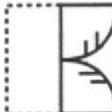
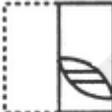
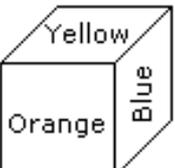
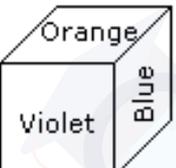
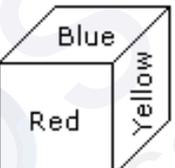
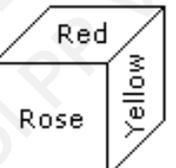
Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.

- Options
- a. 1
 - b. 2
 - c. 3
 - d. 4



One dot should stay only within TRIANGLE and SQUARE. Other dot in all three available shapes.

Hence, Answer is **option d. 4**

<p>36.</p>	<p>In the following question select the one which is different from the other three responses.</p> <p>(a) DEB (b) RTP (c) HIF (d) NOL</p> <p>Option b. RTP</p> <p>1. D(E)B → vowel in the middle</p> <p>3. H(I)F → vowel in the middle</p> <p>4. N(O)L → vowel in the middle</p> <p>(2). No vowel in the middle.</p>
<p>37.</p>	<p>Choose the alternative which is closely resembles the water-image of the given combination.</p> <p style="text-align: center;">NUCLEAR</p> <p style="text-align: center;">(1) KAEFCUM (2) ИИСТЕАВ</p> <p style="text-align: center;">(3) ИИUCFEB (4) ИИUCFEB</p> <p>Option d. (4)</p>
<p>38.</p>	<p>Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(X)</p> </div> <div style="text-align: center;">  <p>(1)</p> </div> <div style="text-align: center;">  <p>(2)</p> </div> <div style="text-align: center;">  <p>(3)</p> </div> <div style="text-align: center;">  <p>(4)</p> </div> </div> <p>Option d. (4)</p>
<p>39.</p>	<p>From the four positions of a dice given below, find the color which is opposite to yellow ?</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <p>Option b. Violet</p>
<p>40.</p>	<p>1 : 2 :: (a) : 6</p> <p>$2/2 = 1$</p> <p>$6/2 = 3$</p> <p>Hence, Option c. 3</p>