

(Olympiad Excellence Question)

QUESTIONS

1. Complete the series : 2, 5, 9, _____, 20, 27
(a) 16 (b) 18 (c) 24 (d) 14
2. Three of the following are alike in certain way and so form a group. Which is the one that does not belong to that group.
(a) Mother (b) Grandfather (c) Father (d) Wife
3. Modi is fourteenth from the right end in a row of 40 girls. What is his position from the left end?
(a) 26th (b) 28th (c) 25th (d) 27th
4. Modi 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
5. Choose the letter or group of letters which is different from others.
(a) H (b) Q (c) T (d) Z
6. Find the missing term in each of the following. 4,7,12,19,28,_____
(a) 30 (b) 36 (c) 39 (d) 49
7. Three of the following are alike in certain way and so form a group. Which is the one that does not belong to that group?
(a) Tree (b) Plant (c) Shrub (d) Farm
8. Choose the odd pair of words.
(a) Honey : Money (b) Rust : crest (c) Nine : Twine (d) Fire : Liar
9. P is 40 m south-west of Q. R is 40 m south-east of Q. Then R is in which direction of P?
(a) North-East (b) East (c) West (d) South
10. Rohani ranks seventh from the top and twenty sixth from the bottom in a class. How many students are there in the class?
(a) 33 (b) 31 (c) 35 (d) 32
11. Find the missing alphabets.
Z, ?, T, ?, N, ?, H, ?, B
(a) W, R, K, E (b) X, R, K, E (c) X, Q, K, E (d) W, Q, K, E
12. Three of the following are alike in certain way and so form a group. Which is the one that does not belong to that group?
(a) Sharpener (b) Calculator (c) Eraser (d) pencil
13. A man walks 30 meters north then he turns left and moves 20 meters, again he turns to his left and walks 30 meters, finally he turns to left and walks 30 meters. Now, in which direction is he from his original position?
(a) North (b) East (c) South-East (d) North-East

- 14.** In a class of 36 students Ravi's rank from the top is 12th. Kalika ranks three places above Ravi. What is Kalika's rank from the bottom?
- (a) 27 (b) 28 (c) 29 (d) None of these
- 15.** Complete the series 125, 80, 45, 20, ?
- (a) 8 (b) 5 (c) 10 (d) 12
- 16.** Three of the following are alike in certain way and so form a group. Which is the one that does not belong to the group?
- (a) Kerosene (b) Water (c) Petrol (d) LPG
- 17.** Complete the series.
A, I, P, V, A, E, _____
- (a) G (b) H (c) E (d) F
- 18.** You go North, turn right, then turn right again and then go to the left, In which direction are you now?
- (a) North (b) South (c) East (d) West
- 19.** Find odd- term.
- (a) 80-9 (b) 64-8 (c) 36-6 (d) 49-7
- 20.** Sona walks 10 meters in front and 10 meter to the right. Then every time turning to her left, she walks 5, 15 and 15 meter respectively. How far is she now from her starting point?
- (a) 10 m (b) 15 m (c) 20 m (d) 5 m
- 21.** Complete the series $\frac{1}{3}, \frac{4}{9}, \frac{7}{27}, \frac{10}{81}, ? \frac{16}{729}$,
- (a) $\frac{14}{234}$ (b) $\frac{15}{241}$ (c) $\frac{12}{432}$ (d) $\frac{13}{243}$
- 22.** Choose the odd pair of words
- (a) Deer : Venison (b) Lamb : Veal (c) Cattle : Beef (d) Swine : Pork
- 23.** Complete the series.
AB, DEF, HIJK, _____, STUVWX.
- (a) QRSTU (b) LMNOP (c) LMNO (d) MNOPQ
- 24.** Roshan is facing south. He turns 135° in the anticlockwise direction and then 180° in the clockwise direction. Which direction is he facing now?
- (a) North -east (b) North-west (c) South-east (d) South-west
- 25.** Ashish is taller than Shahid, but not as tall as Mudassir. Priyank is taller than Shan, but shorter than Shahid. Who is the tallest?
- (a) Ashish (b) Mudassir (c) Priyank (d) Shahid
- 26.** Complete the series 1, 4, 27, 16, _____, 36, 343
- (a) 25 (b) 87 (c) 120 (d) 125
- 27.** Three of the following Four are alike in certain way and so form a group. Which is the one that does not belong to that group?
- (a) Cricket (b) Hockey (c) Billiards (d) Football

28. Ravi wants to go to the University. He starts from his home which is in east and comes to a crossing. The road to the left ends in a theatre, straight ahead is the hospital. In which direction is the university, if the university is neither in the direction of theatre nor in the direction of hospital.

- (a) North (b) South (c) East (d) West

29. Find odd man out.

- (a) 18 (b) 32 (c) 12 (d) 42

30. Complete the series.

D	H	L	P	T
M	O	Q	S	U
B	F	1	N	R
S	2	W	1	A

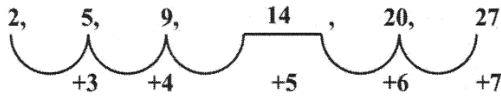
- (a) J, V, Z (b) J, X, U (c) J, T, X (d) J, U, Y

ANSWER - KEY

1. D	2. D	3. D	4. A	5. B
6. C	7. D	8. B	9. B	10. D
11. D	12. B	13. B	14. B	15. B
16. B	17. B	18. C	19. A	20. D
21. D	22. B	23. D	24. D	25. B
26. D	27. C	28. A	29. B	30. D

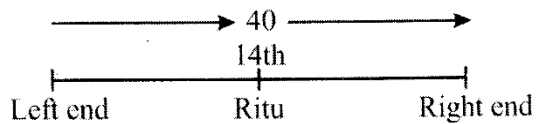
Answers with Solutions

1. (d)



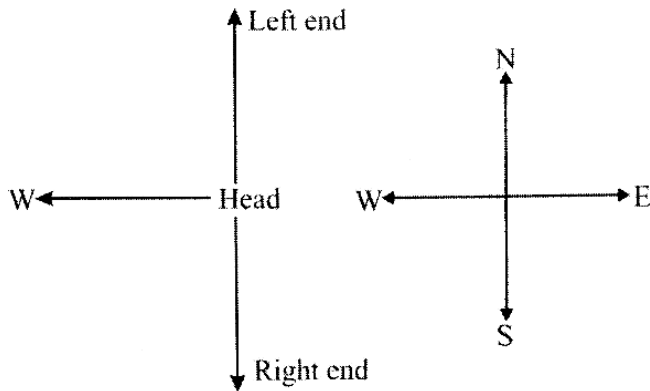
2. (d) Except, wife, all others are people of one or more generation higher.

3. (d) Ritu's rank from the right end = 14th



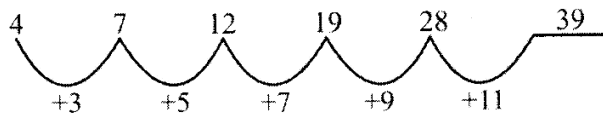
So, Ritu's rank from the left end = $(40 - 14) + 1 = 27$

4. (a) Given that the face of Modi is towards the west.



Therefore, the left hand points towards north

5. (b) Except Q, all other letters have even numbered positions in the English alphabet.

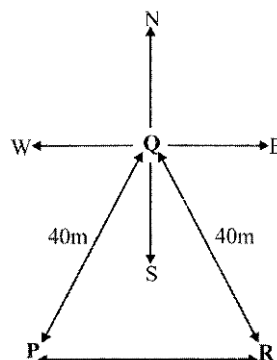


6. (c)

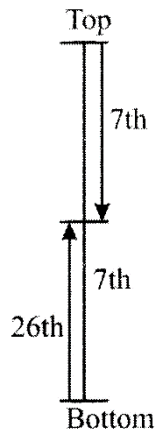
7. (d) All the others are forms of vegetation.

8. (b) All the other pair of words are rhyming words.

9. (b)



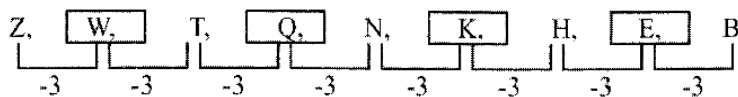
10. (d) Rohani's rank from the top = 7th



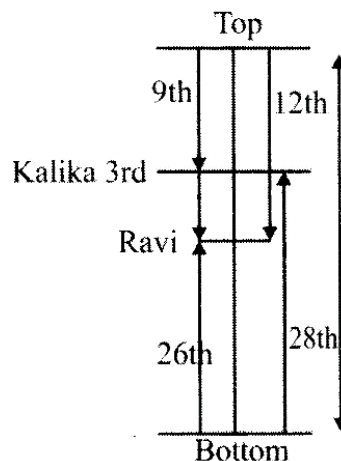
Rohani's rank from the bottom = 26

So, Total number of students = $(7 + 26) - 1 = 33 - 1 = 32$

11. (d)

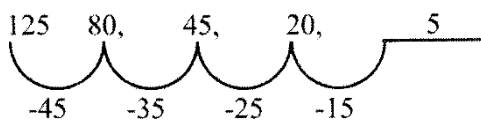


12. (b) Except Calculator, all others are stationery items. A 'Calculator'⁵ is a device that is used for performing mathematical Calculations.
13. (b) Not Available
14. (b) Ravi's rank from the top = 12th So, Kalika's rank from the top = $(12 - 3) = 9^{\text{th}}$



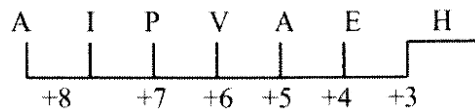
Kalika = Three places above Ravi

So, Kalika's rank from the bottom = $(36 - 9) + 1 = 27 + 1 = 28$

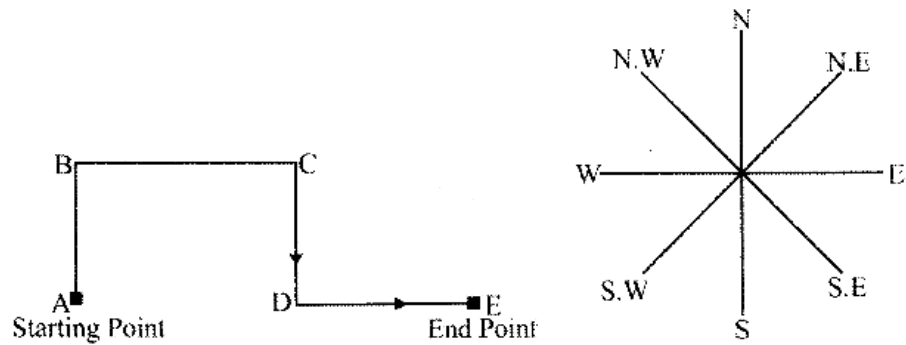


15. (b)
16. (b) Except water, all other are petroleum products used as fuel.

17. (b)



18. (c).



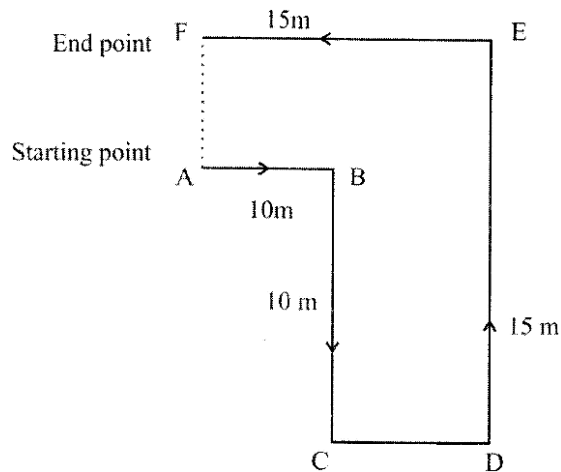
Therefore, the final movement is in the direction DE, is East.

19. (a) One number = (Other number)² i.e., $64 = (8)^2$, $36 = (6)^2$, $(7)^2 = 49$

But $(9)^2 = 81 \neq 80$

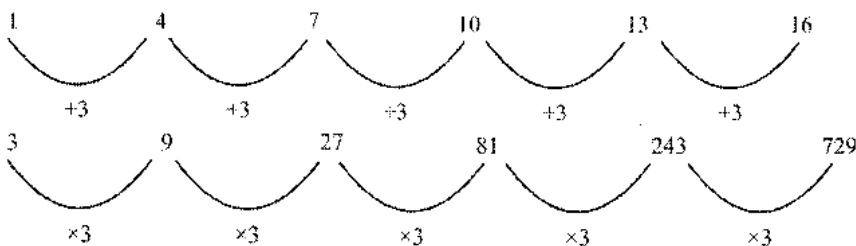
20. (d) The movement of Sona are as shown in fig. i.e. A to B, B to C, C to D, D to E and E to F.

A = Starting point F = End point



\therefore Sona's distance from starting point A = AF = (DE-BC) = (15-10)M = 5m

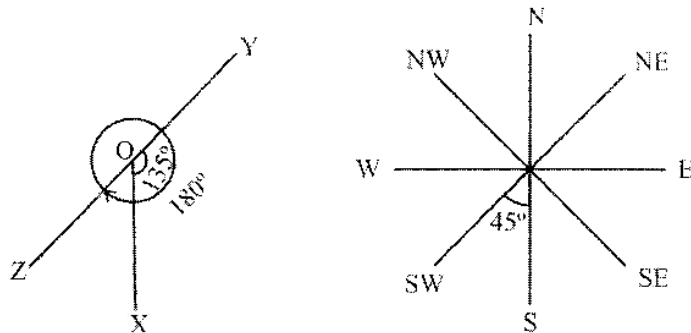
21. (d) $\frac{1}{3}, \frac{4}{9}, \frac{7}{27}, \frac{10}{81}, \frac{13}{243}, \frac{16}{729}$



22. (b) In other pair of words, second word is the flesh of the first animal. Lamb's flesh is mutton.

23. (d) $\begin{matrix} & +2 & & +2 & & +2 & & +2 \\ & \swarrow \searrow & & \swarrow \searrow & & \swarrow \searrow & & \swarrow \searrow \\ AB & & DEF & & HIJK & & MONOPQ & & STUVWX \end{matrix}$

24. (d) From the figure it is clear that Roshan initially faces in the direction OX. On moving 135° anticlockwise, he faces in the direction OY. Then on further moving 180° clockwise, he faces in the direction OZ i.e South west.



Therefore, Roshan is finally facing in South-West direction.

25. (b) Ashish > Shahid 1

Ashish < Mudassir.....2

Priyank > Shan3

Priyank < Shahid4

According to the height, final ranking in descending order is as follows:

Mudassir > Ashish > Shahid > Priyank > Shan

1 2 3 4 5

Therefore, Muddasir is the tallest person

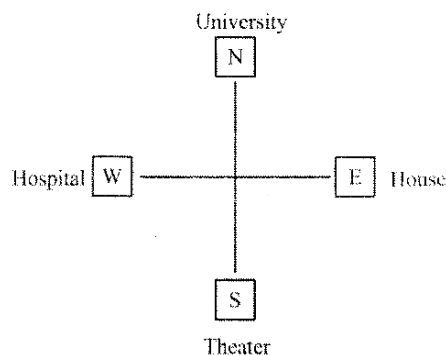
26. (d) 1, 4, 27, 16, 125, 36, 343

1^3 2^2 3^3 4^2 5^3 6^2 7^3

27. (c) Except Billiards, all other are outdoor games.

'Billiards is an indoor game.

28. (a) Ravi moves westwards, after starting from his house in the East. Then, the theatre, which is to the left, will be in the South. Then the hospital, which is straight ahead, will be towards the west. The only direction left for universities is direction is north.



Therefore, the University will be to the North as shown in fig.

29. (b) Except 32, all are the multiple of 6

30. (d) The given sequences of letter follows the pattern

