

QUESTIONS

1. How many 5's are immediately preceded by 4 but not immediately followed by 3 in the following series?
5 4 3 7 6 5 4 5 3 6 2 4 5 4 5 5 4 3 7 5 6 4 5 5 4 3 5
(a) 2 (b) 3 (c) 4 (d) 5
2. How many 2's are there in the following series which are immediately preceded by 9 but not immediately followed by 7?
7 5 2 4 2 9 7 2 9 2 5 4 2 5 7 2 9 1 2 7
(a) 1 (b) 2 (c) 3 (d) 0
3. How many even digits are there in the series which are followed by an odd digit and preceded by an even digit?
1 4 5 7 2 5 8 4 9 6 8 2 5 4 1 3 2 7 1
(a) 1 (b) 2 (c) 3 (d) 5
4. How many even digits are there in the following series each of which is both immediately followed and preceded by odd digit?
5 6 7 2 5 9 2 4 9 3 6 4 3 9 2 1 0 2 1 5 8 2
(a) 6 (b) 5 (c) 4 (d) 3
5. How many P's are both immediately preceded and followed by 'F' in the following series?
F P F P P C F F F P F P F P F P P F F P P P F F F P F P F P F P P F F P F
(a) 2 (b) 6 (c) 8 (d) 9

Direction (6-10): Study the following arrangement carefully and answer the questions given below.

RE 5 DA P \$ 3 T I Q 7 9 B # 2 K % U 1 M W 4 * J 8 N

6. Which of the following is exactly in the middle of 3 and 1 in the above arrangement?
(a) 3 (b) 9 (c) B (d) %
7. Which of the following is sixth to the right of '#' in the above arrangement?
(a) U (b) M (c) J (d) %
8. How many such vowels are there in the given arrangement, each of which is immediately followed by a digit but not immediately preceded by a consonant?
(a) None (b) One (c) Three (d) Four
9. Which of the following is seventh to the left of the sixteenth from the left end in the given arrangement?
(a) U (b) T (c) 4 (d) A
10. Three of the following four are alike in some way based on their positions in the given arrangement and so form a group. Which is the one that does not belong to that group?
(a) 5 A R (b) K U # (c) 9 # Q (d) % 1 W
11. How many 4's are there in the following number series which are preceded by 5 but not followed by 7?
2 3 4 2 3 4 2 5 4 7 3 2 4 3 1 9 2 5 4 7 5 4 7 2 3 4 5 2 9 5 4 6
(a) One (b) Two (c) Three (d) Four
12. Which is the third number to the left of the number which is exactly in the middle of the given number series?
1 2 3 4 5 6 7 8 9 2 4 6 8 9 7 5 3 1 9 8 7 6 5 4 3 2 1
(a) 3 (b) 4 (c) 5 (d) 6
13. Mohan ranks seventh from the top and twenty eighth from the bottom in a class. How many students are there in the class?
(a) 37 (b) 36 (c) 35 (d) 34
14. Raman is 7 ranks ahead of Manoj in a class of 39. If Manoj's rank is seventeenth from the last, what is Raman's rank from the start?
(a) 14th (b) 15th (c) 16th (d) 17th

Direction (15-17): In each of the following questions, arrange the given words in a meaningful sequence.

- 15.** 1. Poverty 2. Population 3. Death 4. Unemployment 5. Lack of food
(a) 2, 3, 4, 5, 1 (b) 3, 4, 1, 5, 1 (c) 4, 1, 1, 5, 3 (d) 2, 4, 1, 5/3
- 16.** 1. Elephant 2. Cat 3. Mosquito 4. Tiger 5. Whale
(a) 5, 3, 1, 2, 4 (b) 3, 2, 4, 1, 5 (c) 1, 3, 5, 4, 2 (d) 2, 5, 1, 4, 3
- 17.** 1. Study 2. Job 3. Examination 4. Earn 5. Apply
(a) 1, 3, 2, 5, 4 (b) 1, 2, 3, 4, 5 (c) 1, 3, 5, 2, 4 (d) 1, 3, 5, 4, 2
- 18.** The position of how many letters in the word BRAKES remains unchanged when they are arranged in alphabetical order?
(a) One (b) Two (c) Three (d) More than three
- 19.** If the letters of the word TRANSFORM are rearranged as they appear in the English alphabet, then the position of how many letters will remain unchanged after such rearrangement?
(a) One (b) Two (c) Three (d) Four
- 20.** The positions of how many letters in the word WONDERFUL will remain unchanged when the letters within the word are arranged alphabetically?
(a) None (b) One (c) Two (d) Three
- 21.** Which letter in the word CYBERNETICS occupies the same position as it does in the English alphabet?
(a) B (b) I (c) C (d) T
- 22.** If the first and second letters in the word DEPRESSION were interchanged, also the third and the fourth letters, the fifth and the sixth letters and so on, which of the following would be the eighth letter from the left end?
(a) R (b) O (c) S (d) I
- 23.** If the alphabet series is arranged in reverse order, which letter will be twelfth to the left of the fourteenth letter from the left end?
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
(a) Y (b) W (c) M (d) D

Direction (24-25): In each of the following questions, four words are given. Which of the following words will come first, if all of them are arranged alphabetically as in a dictionary?

- 24.** (a) Restrict (b) Rocket (c) Random (d) Robber
- 25.** (a) Sport (b) Spouse (c) Spark (d) Space
- 26.** How many even numbers are there in the following sequence of numbers which are immediately followed by an odd number as well as immediately preceded by an even number?
8 5 8 6 7 6 8 9 3 2 7 5 3 4 2 2 3 5 5 2 2 8 1 1 9 3 1 7 5 1
(a) 2 (b) 3 (c) 4 (d) 5
- 27.** If it is possible to make a meaningful word from the fourth, fifth, eighth, ninth and tenth letters of the word INTELLIGENT which of the following will be the middle letter? If more than one such word can be formed, then give 'X' as the answer and if no such word can be formed, then give 'M' as the answer.
(a) L (b) G (c) X (d) M
- 28.** If it is possible to make only one meaningful word with the second, third, sixth and eighth letters of the word FRAGMENT, using each letter only once, then which of the following will be the third letter of that word? If no such word can be formed, then give 'X' as the answer and if more than one such word can be formed, then give 'Y' as the answer.
(a) A (b) E (c) X (d) Y
- 29.** If Megha finds that she is twelfth from the right end in a line of girls and fourth from the left end, then how many girls should be added to the line such that there are 28 girls in the line?
(a) 12 (b) 13 (c) 14 (d) 20

30. If a meaningful word can be formed with the third, sixth, eighth and ninth letters of the word ADVERTISEMENT using each letter only once, then the first letter of the word so formed is the answer. If more than one such word can be formed, then your answer is M and if no such word can be formed, then your answer is X.
- (a) X (b) S (c) V (d) M
31. If 1 is subtracted from the middle digit of each of the given numbers and then the numbers are arranged in descending order, then what will be the sum of the digits of the second newly formed number?
- 538 462 476 529
- (a) 16 (b) 15 (c) 11 (d) 12
32. If it is possible to make a meaningful English word with the first, second and fourth letters of the word ARDENT and consonants from the word LAB using each letter only once, then the third letter of that word is your answer. If more than one such word can be formed, then your answer is 'N'. If no such word can be formed, then your answer is 'Z'.
- (a) E (b) N (c) Z (d) B
33. If the given sequence is written in reverse order, then what will be the 6th character to the left of 5th character to the right of 10th character from the right end?
- D X q – L J # S d F 4 @ z t A e M 8 + P B 1 * Z D O 7 Y
- (a) @ (b) z (c) F (d) 4
34. If 1 is added to the middle digit of each number and then the first and the second digits are interchanged, then which of the following will be the third digit of the smallest number?
- 386 752 961 573 839
- (a) 6 (b) 2 (c) 9 (d) 3
35. Arrange the given words as they occur in the dictionary.
- (SOF NCO 2016)
1. Wound 2. Writer 3. Whiter 4. Worst 5. Worked
- (a) 1, 4, 3, 5, 2 (b) 1, 1, 3, 4, 5 (c) 3, 5, 4, 1, 2 (d) 5, 3, 2, 1, 4
36. How many such 1's are there each of which is immediately followed by 2, and 2 is not immediately followed by 3?
- (SOF NCO 2016)
- 1 2 1 3 4 5 1 2 3 5 2 1 2 6 1 4 5 1 1 2 4 1 2 3 2 1 7 5 2 1 2 5
- (a) 2 (b) 4 (c) 5 (d) 7
37. If the first and the second digits of each of the following numbers are interchanged, then which number will be the smallest?
- (SOF NSO 2016)
- 358 426 853 674 592
- (a) 358 (b) 426 (c) 853 (d) 674
38. How many such 4's are there in the following sequence that the sum of the immediately following two digits is greater than the sum of the immediately preceding two digits?
- (SOF NSO 2016)
- 9 2 4 4 5 4 7 4 2 9 8 7 4 7 3 4 5 2 1 4 1 3 4 4 4 8 7 3 3 9 1 1 4 2 1
- (a) 7 (b) 6 (c) 5 (d) 4
39. If it is possible to make a meaningful word with the first, fourth, fifth and eighth letters of the word HYPOTHESIS which of the following will be the third letter of that word? If more than one such word can be formed, give 'X' as the answer. If no such word can be formed, give 'M' as the answer.
- (SOF NSO 2016)
- (a) M (b) X (c) S (d) T
40. How many such pairs of letters are there in the word CLASSROOM each of which has as many letters between them in the word as there are between them in the English alphabet?
- (SOF IMO 2016)
- (a) Three (b) Five (c) Four (d) Two

41. If 1 is subtracted from the last digit of each of the given numbers, then the sum of the digits of how many of them are prime numbers?

(SOF IMO 2016)

972 526 487 359 251

- (a) None (b) Two (c) One (d) Three
42. Six friends are sitting around a circle facing the centre. Varun is between Rahul and Ankit, Amit is between Latika and Garima, Rahul and Latika are opposite to each other. Garima is to the left of Amit. Who are the neighbours of Latika?

(SOF IMO 2016)

- (a) Rahul and Varun (b) Varun and Amit
(c) Amit and Ankit (d) Garima and Amit

43. If all the digits are dropped from the given below arrangement, which of the following will be fourth to the left of the seventh from the right end?

(SOF IMO 2016)

D 5 4 I H * \$ K E 3 L B @ A R M 1 6 F % J £ 2 7 C G 9

- (a) B (b) @ (c) L (d) A
44. Out of the six members panel sitting in a row facing the North, U is to the left of V but to the right of W, who is to the right of X and Y is at the right of Z, who is at one of the ends. Find the members sitting right in the middle.

(SOF NCO 2017)

- (a) ZY (b) VW (c) XW (d) UV

45. If it is possible to make a meaningful word with the third, the fourth, the seventh and the tenth letters of the word WASTEBASKET, then which of the following will be the second letter of that word? If more than one such words can be formed, give M as the answer. If no such word can be formed, give Z as the answer.

(SOF NCO 2017)

- (a) M (b) Z (c) T (d) E

46. How many such pair of letters are there in the word EXCITEMENT each of which has as many letters between them in the word as there are between them in the English alphabet?

(SOF NCO 2017)

- (a) Two (b) Three (c) Four (d) More than four

47. If one is added to the second digit of each number and numbers are arranged in descending order, then which of the following will be middle number?

(SOF NCO 2017)

539 815 729 346 289

- (a) 729 (b) 346 (c) 539 (d) 815
48. In a row of students, Rahul is 12th from the left end and Shikha is 17th from the right end. If they interchange their positions, Shikha becomes 27th from the right end. How many total students are there in the row?

(SOF NSO 2017)

- (a) 38 (b) 36 (c) 39 (d) 41

49. How many such pairs of letters are there in the word PURPOSEFUL each of which has as many letters between them in the word as there are in the English alphabet?

(SOF NSO 2017)

- (a) One (b) Two (c) Three (d) More than three

50. Arrange the given words in a meaningful sequence and select the correct option.

(SOF NSO 2017)

1. Probation 2. Interview 3. Advertisement 4. Selection 5. Application

- (a) 3, 5, 2, 1, 4 (b) 3, 5, 2, 4, 1 (c) 3, 5, 4, 2, 1 (d) 3, 2, 5, 4, 1

51. If the first and third digits in each of the following numbers are interchanged and then the numbers are arranged in descending order. What will be the middle digit of the middle number?

(SOF NSO 2017)

613 432 573 485 907

- (a) 8 (b) 1 (c) 3 (d) 7

52. If it is possible to make a meaningful English word with the second, third, sixth, ninth and eleventh letters of the word PREDOMINANT, then the third letter of the word is the answer. If no meaningful word is formed, give X as your answer. If more than one words are formed, give 'Y' as your answer.

(SOF IMO 2017)

- (a) T (b) X (c) M (d) Y

53. Arrange the given words as they occur in the dictionary.

(SOF IMO 2017)

1. Honour 2. Honest 3. Humour 4. Hungry 5. Huge

- (a) 2, 1, 3, 4, 5 (b) 2, 1, 5, 3, 4 (c) 1, 1, 3, 4, 5 (d) 3, 1, 2, 5, 4

54. Consider the following arrangement and answer the question that follows:

628 527 431 293 872

If the middle digit of the greatest number is subtracted from the middle digit of the smallest number after adding one to each of the numbers of the given arrangement, then which of the following numbers will be obtained?

(SOF IMO 2017)

- (a) 3 (b) 5 (c) 2 (d) 0

55. In a row of boys, Raghav is fifth from the left end and Sourav is eleventh from the right end. If Raghav is twenty fifth from the right end, then how many boys are there between Raghav and Sourav?

(SOF IMO 2017)

- (a) 14 (b) 13 (c) 15 (d) 12

ANSWER - KEY				
1. B	2. A	3. B	4. D	5. C
6. C	7. B	8. B	9. B	10. D
11. A	12. B	13. D	14. C	15. D
16. B	17. C	18. B	19. A	20. B
21. B	22. C	23. A	24. C	25. D
26. C	27. D	28. D	29. B	30. D
31. B	32. B	33. D	34. C	35. C
36. B	37. B	38. A	39. B	40. C
41. B	42. C	43. A	44. C	45. A
46. B	47. C	48. A	49. D	50. B
51. D	52. D	53. B	54. C	55. B

EXPLANATIONS

1. (b) 5 4 3 7 6 5 4 5 3 6 2 4 5 4 5 5 4 3 7 5 6 4 5 5 4 3 5
2. (a) 7 5 2 4 2 9 7 2 9 2 5 4 2 5 7 2 9 1 2 7
3. (b) 1 4 5 7 2 5 8 4 9 6 8 2 5 4 1 3 2 7 1
4. (d) 5 6 7 2 5 9 2 4 9 3 6 4 3 9 2 1 0 2 1 5 8 2
5. (c) F P F P P C F F F P F P F P F P P F F P P P F F F P F P F P F P P F F P F
6. (c) There are 11 elements between 3 and 1. So, the middle letter will be the sixth one.
7. (b) M is 6th element to the right of the symbol T.
8. (b) R E 5 D A P \$ 3 T I Q 7 9 B # 2 K % U 1 M W 4 * J 8 N.
9. (b) : The 16th element from the left end is 2, and the element 7 steps to the left of 2 is T.
10. (d) : In all other groups, the first element moves 2 steps forward to give the second element which in turn moves 4 steps backward to give the third element.
11. (a) ; 2 3 4 2 3 4 2 5 4 7 3 2 4 3 1 9 2 5 4 7 5 4 7 2 3 4 5 2 9 5 4 6 .
12. (b) : The middle number of the given sequence is 9, and the third number to the left of 9 is 4.
13. (d): The total number of students in the class = $7 + 28 - 1 = 34$
14. (c) : Raman's rank from the start
 $= (\text{Total number of students}) - (\text{Raman's mark from the end}) + 1 = 39 - 24 + 1 = 16^{\text{th}}$
15. (d): Population → Unemployment → Poverty → Lack of food → Death.
16. (b) : Mosquito, Cat, Tiger, Elephant, Whale.
17. (c) : Study → Examination → Apply → Job → Earn
18. (b) : Arranging the letters in alphabetical order:

B	R	A	K	E	S
A	B	E	K	R	S
19. (a) : After rearrangement In alphabetical order :

T	R	A	N	S	F	O	R	M
A	F	M	N	O	R	R	S	T
20. (b)

W	O	N	D	E	R	U	L
D	E	F	L	N	O	U	W
21. (b) : I is the 9th letter in given word as well as in the English alphabet
22. (c) : Given word D E P R E S S I O N
The new letter sequence is E D R P S E I S N O
Now, the 8th letter from the left end is 'S'.
23. (a) : We obtain the following letter series on reversing the order of the alphabets.
ZYXWVUTSRQPONMLKJIHGFEDCBA
Fourteenth letter from the left end is M and twelfth to the left of M is Y.
24. (c) : Random, Restrict, Robber, Rocket
25. (d) s Space, Spark, Sport, Spouse
26. (c) Not Available
27. (d) Not Available
28. (d) Not Available
29. (b) Not Available

- 30.** (d) Not Available
- 31.** (b) Not Available
- 32.** (b) Not Available
- 33.** (d) Not Available
- 34.** (c) Not Available
- 35.** (c) Not Available
- 36.** (b) Not Available
- 37.** (b) Not Available
- 38.** (a) Not Available
- 39.** (b) Not Available
- 40.** (c) Not Available
- 41.** (b) Not Available
- 42.** (c) Not Available
- 43.** (a) Not Available
- 44.** (c) Not Available
- 45.** (a) Not Available
- 46.** (b) Not Available
- 47.** (c) Not Available
- 48.** (a) Not Available
- 49.** (d) Not Available
- 50.** (b) Not Available
- 51.** (d) Not Available
- 52.** (d) Not Available
- 53.** (b) Not Available
- 54.** (c) Not Available
- 55.** (b) Not Available