

## **14. DIRECTIONS**

1. Shiva starting from his house goes 5 km in the East, and then he turns to his left and goes 4 km. Finally, he turns to his left and goes 5 km. Now how far is he from his house and in what direction?
2. Suresh starting from his house goes 4 km in the East, and then he turns to his right and goes 3 km. What minimum distance will be covered by him to come back to his house?
3. A drives 10 km towards east and turns to the right hand and drives 3 km. Then he drives towards west (turning at his right) 3 km. He then turns to his left and drives 2 km. Finally, he turns to his right and travels 7 km. How far is he from his starting point and in which direction would he be?  
a) 5 km, North                      b) 8 km, West                      c) 5 km, South                      d) 3 km, South
4. Sandhya walks straight from point A to B which is 2 kms away. She turns left, at 90 degree and walks 8 kms to point C, where she turns left again at 90 degree and walks 5 kms to point D. At D she turns left at 90 degree and walks for 8 kms to point E. What is the distance between A and E?
5. A player X stands 50 yards away from Y in the West. He moves 10 yards straight towards South and then turn eastward going up to 50 yards, while Y also comes down southward and meets X at the same point. How far is Y from his original position?
6. Y is in the East of X which is in the North of Z. If P is in the South of Z, then in which direction of Y, is P?  
A. North    B. South                      C. South-East                      D. None of these
7. Rahul put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M.?  
A. South-East    B. South                      C. North                      D. West
8. Sunil was facing east. He turns 150 degree in the clockwise direction and then 145 degree in the anticlockwise direction. Which direction is he facing now? AMCAT  
a) East    b) North                      c) South-West    d) South-East
9. One morning Uday and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Uday, which direction was Uday facing?  
A. East                      B. West                      C. North                      D. South
10. One morning after sunrise Juhi while going to school met Lilli at Boring road crossing. Lilli's shadow was exactly to the right of Juhi. If they were face to face, which direction was Juhi facing?
11. One evening before sunset Rekha and Hema were talking to each other face to face. If Hema's shadow was exactly to the right of Hema, which direction was Rekha facing?  
A. North                      B. South                      C. East                      D. Data is inadequate
12. Amit started walking positioning his back towards the sun. After some time, he turned left, then turned right and towards the left again. In which direction is he going now?  
A. North or South                      B. East or West    C. North or West                      D. South or West
13. Some boys are sitting in three rows all facing North such that A is in the middle row. P is just to the right of A but in the same row. Q is just behind of P while R is in the North of A. In which direction of R is Q?  
A. South                      B. South-West    C. North-East                      D. South-East
14. If  $A \times B$  means A is to the south of B;  
     $A + B$  means A is to the north of B;  
     $A \% B$  means A is to the east of B;  
     $A - B$  means A is to the west of B;  
then in  $P \% Q + R - S$ , S is in which direction with respect to Q?  
A. South-West                      B. South-East    C. North-East    D. North-West

15. Four friends A, B, C and D live in a same locality. The house of B is in the east of A's house but in the north of C's house. The house of C is in the west of D's house. D's house is in which direction of A's house?  
 A. South-East    B. North-East    C. East    D. Data is inadequate
16. Village Q is to the North of the village P. The village R is in the East of Village Q. The village S is to the left of the village P. In which direction is the village S with respect to village R?  
 A. West    B. South-West    C. South    D. North-West

### **15. ARRANGEMENT**

1. 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 6 7 6 8 9 3 2 7 5 3 4 2 2 3 5 5 2 2 8 1 1 9**

- A. One    B. Three    C. Five    D. Six    E. None of these

2. How many even numbers are there in the following series of numbers, each of which is immediately preceded by an odd number, but not immediately followed by an even number?

**5 3 4 8 9 7 1 6 5 3 2 9 8 4 3 5**

- a) Nil    b) 1    c) 2    d) 3    e) None of these

3. In the following Number Sequence how many such even numbers are there which are exactly divisible by its immediately preceding number but not exactly divisible by its immediately following number

**3 8 4 1 5 7 2 8 3 4 8 9 3 9 4 2 1 5 8 2**

- a) Two    b) Three    c) Four    d) More than Four    e) one

4. How many numbers are immediately preceded and immediately followed by different numbers

**7 7 7 5 7 5 7 5 7 7 7 7 5 7 5 7 5 7 7 7 7 5 7 5**

- a) 2    b) 3    c) 4    d) 5    e) 1

4. How many 4's are there in the following series which are preceded by 7 but are not preceded by 8.

**3 4 5 7 4 3 7 4 8 5 4 3 7 4 9 8 4 7 2 7 4 1 3 6**

- a) 1    b) 2    c) 3    d) 4    e) none

5. Which of pair numbers has least and maximum frequency in the given sequence

**8 7 5 6 4 5 8 3 6 7 2 3 5 8 3 5 7 6 4 7 6 5**

- a) 4 and 5    b) 2 and 6    c) 3 and 8    d) 2 and 5    e) none

7. Study the following arrangement carefully and answer the question given below

**6 R o T 4 A 8 % B F 1 E # W @ 9 H I \$ M N \* 3 2 V \$ 5 G P 7 Q**

- I. How many such consonants are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a number?  
 a) One    b) c) Two    d) Three    e) None
- II. Which of the following is the fourth to left of the twelfth from the left end?  
 A) 8    B) B    C) 2    D) %
- III. Three of the following four are alike in a certain way based on their positive in the above arrangement and so form a group. Which is the one that does not belong to that group? A) 4o6  
 B) F%A    C) @#1 D) \$H9
- IV. If all the symbols are eliminated from the above arrangement, then which of the following will be the 5th to the right of 10th element from the right end?  
 A) 4    B) 5    C) V    D) A



3. Who is sitting fourth from the right end?

- a. Sanju                      b. Sita                      c. Sarala                      d. Swathi

4. Who is to the left of Megha?

- a. Sanju                      b. Sarala                      c. Swathi                      d. None of the above

15. In an Exhibition seven cars of different companies - Cadillac, Ambassador, Fiat, Maruti, Mercedes, Bedford and Fargo are standing facing to east in the following order  
Cadillac is next to right of Fargo.

Fargo is fourth to the right of Fiat.

Maruti car is between Ambassador and Bedford.

Fiat which is third to the left of Ambassador, is at one end.

1. Which of the cars are on both the sides of Cadillac car?

- A. Ambassador and Maruti                      B. Maruti and Fiat  
C. Fargo and Mercedes                      D. Ambassador and Fargo

2. Which of the following statement is correct?

- A. Maruti is next left of Ambassador.  
B. Bedford is next left of Fiat.  
C. Bedford is at one end.  
D. Fiat is next second to the right of Maruti.

3. Which one of the following statements is correct?

- A. Fargo car is in between Ambassador and Fiat.                      B. Cadillac is next left to Mercedes car.  
C. Fargo is next right of Cadillac.                      D. Maruti is fourth right of Mercedes.

4. Which of the following groups of cars is to the right of Ambassador?

- A. Cadillac, Fargo and Maruti                      B. Mercedes, Cadillac and Fargo  
C. Maruti, Bedford and Fiat                      D. Bedford, Cadillac and Fargo

5. Which one of the following is the correct position of Mercedes?

- A. Next to the left of Cadillac                      B. Next to the left of Bedford  
C. Between Bedford and Fargo                      D. Fourth to the right of Maruti.

16. i) A, B, C, D and E are five friends in a class. They have their birth dates from January to May, each friend born in one of these months.

(ii) Each one likes one particular item for his/her birthday out of rice, mutton, chicken, burger and pizza.

(iii) The one who likes pizza is born in March.

(iv) C does not like pizza but brings rice for D in April.

(v) E, who is fond of burger, is born in the next month immediately after B.

(vi) B does not like burger or mutton.

1. What is the choice of C?

- a. Pizza                      b. Rice                      c. Mutton                      d. Chicken

2. What is the choice of A?

- a. Burger                      b. Pizza                      c. Chicken                      d. Rice

3. What was the month was E born?

- a. January                      b. February                      c. March                      d. April

17. Six plays are to be organized from Monday to Sunday -one player each day, with one day when there is no play. 'No play' day is not Monday or Sunday.

- The plays are held in sets of 3 plays, each in such a way that 3 plays are held without any break, i.e. 3 plays are held in such a way that there is no 'No play' day between them but immediately before this set or immediately after this set it is 'No play' day.
- Play Z was held on 26<sup>th</sup> and play X was held on 31<sup>st</sup> of the same month.
- Play B was not held immediately after play A and play M was held immediately before Q.
- All six plays were held in the same month.

1. Which play was organized on Monday?
2. Which day was play Z organized?
3. Which date was a 'No play' day?
4. Which day was play Q organized?

18. T, H, M, S, G, P, Q, R and N are sitting in row facing north. Each of them likes different colour viz blue, pink, white, black, Grey, red, violet, green and yellow but not necessarily in the same order.

T sits at one of the extreme end.

Three persons sit between N and T.

G likes yellow and sits third to the right of N.

S likes green and sits at one of the ends.

One person sits between N and R who is not an immediate neighbour of G.

There are as many persons sit between N and G as between H and N.

M likes black and sits second to the right of H.

P likes white and is not an immediate neighbour of G.

The one who likes pink sits at one of the extreme ends. The one who likes violet and the one who likes red are immediate neighbours of each other.

The one who likes violet and the one who likes blue is not an immediate neighbour of M.

The one who likes violet and S are not immediate neighbour.

1. Q likes which colour?
  2. If R and G are interchanged their position then, who sits third to the left of G?
- A) No one    B) T    c) N    d) P    e) None of these
3. How many persons sit between Q and the one who likes Red?
  4. Who sits fifth to the left of one who likes blue?
  5. Which of the following combinations is not true?
- A) Q likes blue    B) R likes red    C) H likes violet    D) N likes Grey E) NOT

19. A, B, C, D, E, F, G and H are sitting around a circle facing the centre.

(i) E is to the immediate right of A, who is second to the right of G

(ii) D is not an immediate neighbour of C or H

(iii) F is third to the right of C and second to the left of H

20. A, B, C, D, E, F, G and H are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones who sit at the four corners face the centre while those who sit in the middle of the sides face outside. Two females sit in the middle of the sides and two at the corners. A sits second to the left of G. G sits in the middle of the sides. C sits fourth to the right of his wife and his wife is not an immediate neighbour of A or G. B sits third right to her husband. B does not sit at any of the corners. Only D sits between B and H. H is husband of A. E is a male.

1. Which of the following is true with respect to given seating arrangement?
- A] No two males are immediate neighbours of each other.

b] G and H face each other in the seating arrangement.

C] A sits in the centre of one of the sides of the square table

D] F is a male and sits diagonally opposite to E

2. Who among the following is B's husband?

A] C      c] F      B] G      d] E

3. How many people sit between B and C when counted in anti-clock wise direction from B?

A] None      c] two      B] one      d] three

4. Who among the following is the wife of C?

A] D      c] B      B] F      d] G

5. What is the position of E with respect to C?

A] Immediately to the right      B] Second to the left

C] Third to the right      D] Second to the right

21. At a startup organization there are parking spaces for CEO, Vice-President, General Manager, CFO and Treasurer in the same order.

They have cars each in different color viz. Grey, Black, Silver, White and Red not necessarily in the same order.

Black is between White and Silver.

Peter, the CEO has Red color car.

Car parked at last is Grey.

Sia has Silver car.

Raj parks his car left of one who likes Cochin.

CFO travels to the place other than Kolkata.

Vice-President's favorite holiday spot is Jaipur and he don't have Silver car.

Manali is disliked by Treasurer.

General Manager travels to Pondicherry.

Uma likes Kolkata.

## **16. CODING AND DECODING** Type V

1. If ABC is coded as 123 and BDF is coded as 347, then what is the code for B?

2. In a certain code 'KING IS BRAVE' is coded as 'GE DEST AXOB',

'OUR BRAVE SHOULDER' is coded as 'DEST DOSTA CESK'

What is the code for BRAVE?

3. In a certain code, '289' means 'read from paper'; '276' means 'tea from field' and '85' means 'wall paper'.

Which of the following is the code for 'tea'?

A.) 2      B.) 6      C.) Either 2 or 6      D.) Either 7 or 6

4. In a certain code, '289' means 'read from paper'; '276' means 'tea from field' and '85' means 'wall paper'.

Which of the following is the code for 'paper'?

A.) 2      B.) 8      C.) 6      D.) None of these

5. In a certain code 'FOR PROFIT ORDER NOW' is coded as 'HO JA YE GA'

'RIGHT NOW FOR HIM' is coded as 'GA VE JA SE'

'PLACE ORDER FOR PROFIT' is coded as 'GA BI HO YE'

'ONLY IN RIGHT ORDER' is coded as 'VE DU YE ZU'

a) What is the code for HIM?

b) Which word is coded as BI?

- c) What is the code for PROFIT?
- d) What is the code for ORDER?
- e) What is the code for 'ONLY FOR NOW'?

I) JA BI ZO    II) DU ZO JU    III) ZO GA JA    IV) ZO GA YE

- f) 'FO VE DU' could be the code for?

I) IN RIGHT SPIRITS II) ONLY IN PROFIT    III) ORDER ONLY HIM

QSPIDERS / JSPIDERS / ARUN SIR