

# Intelligence Test (Verbal)

Verbal reasoning is the understanding and reasoning concept framed in words. It most specifically refers to more complex thinking tasks, such as analysis, synthesis and evaluation of text. It aims at evaluating ability to think logically and constructively.

In verbal intelligence test a series of question is provided, candidate has to understand the pattern and pick the correct answer. The number of questions are generally 40-50 and time given to candidates to solve them, is 25-35 min. There is no negative marking, so try to attempt as many questions as possible.

You will usually find questions on all of the following :

- Spelling Test
- Analogy
- Synonym and Antonym
- Classification
- Sitting Arrangement
- Puzzle
- Ranking
- Sentence Completion
- Verbal Deductions
- Direction Sense Test
- Series
- Blood Relations
- Logical Venn Diagram

Some examples of each of the above category is provided as illustrations and thereafter some sample tests are given for practice.

## Spelling Test

In such type of questions four words are given, out of which one is incorrectly spelt, you are required to find that word. Basically, these type of questions, test your vocabulary.

These type of questions can be better understood with the help of example given below :

**1. Which of the following words is incorrectly spelt?**

- (a) Separate      (b) Ordnance      (c) Success      (d) None of these

➤ 1. (b) Correct spelling – Ordinance

## Sentence Completion

The questions are designed to test the comprehensive ability as well as the knowledge of the meaning of words required to be filled in. The candidate is asked to select the best of the alternatives given. These questions are relatively straight forward but more than one of the words may complete the sentence so you must read it carefully and choose the appropriate word.

These type of questions can be better understood with the help of examples given below :

2. As a result of ..... many unsuitable candidates were selected for the posts.

(a) tolerance (b) favouritism  
(c) humility (d) weakness

➤ (b)

3. The pilot was ..... injured, he died within half an hour.

(a) seriously (b) fatally (c) fatefully (d) vitally

➤ (b)

4. Only when ..... failed, the police restored to.....

(a) efforts, pressure (b) arrests, imprisonment  
(c) persuasions, force (d) power, punishment

➤ (c)

## Synonym and Antonym

Questions based on synonym & antonym test your vocabulary. You are required to know the meaning of the words given in order to select the words which have either the same or opposite meaning.

These type of questions can be better understood with the help of examples given below :

5. Which of the given words would correctly replace the bold word in the following sentence?

Man has to **encounter** many hardship in life.

(a) Solve (b) Face (c) Bea (d) Overcome

➤ (b)

6. Select the word that is most similar in meaning to the main word in capital letters.

MENIAL

(a) Unskilled (b) Tall (c) Affluent (d) Sick

➤ (a)

7. Which of these words are opposite in meaning?

(1) Lose (2) Loser (3) Vanquish (4) Winner

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

➤ (c) (2, 4)

## Analogy

Analogy can be described as the logical similarity between two or more groups of numbers, letters, words, objects and things. Analogy is asked in examination to check the candidate's intellectual skills. The candidate is required to carefully identify the relationship between two or more things and find out the alternative based on that relationship.

These type of questions can be better understood with the help of examples given below :

8. 'Drama' is related to 'scene', in the same way as 'book' is related to....  
 (a) story (b) chapter (c) author (d) page
9. 'Waves' is related to 'air' in the same way as 'ripples' is related to....  
 (a) wind (b) water (c) storm (d) smoke
10. 'Shirt' is related to 'button', in the same way as 'shoes' is related to....  
 (a) stitch (b) leg (c) socks (d) None of these
11. Cloth : Mill :: Newspaper:?  
 (a) Celitor (b) Reader (c) Paper (d) Press
12. GREAT : 25 :: Number : ?  
 (a) 36 (b) 38 (c) 27 (d) 24
- 8. (b)      9. (b)      10. (d)      11. (d)  
 12. (a)

## Verbal Deductions

These type of questions are designed to test candidate's ability to understand and manipulate the information given to solve a specific problem. Various types of questions are asked from verbal deductions. Some of them are discussed here.

**Coding-Decoding** Coding is a method used to convey secret message from one place to another especially in defence services. The codes are based on a particular pattern, so that it can be easily decoded at the other end. These questions are designed to test your mental ability to grasp the logic and decipher the coded message.

These type of questions can be better understood with the help of examples given below :

13. In a certain code BASIC is written as DDULE. How is LEADER written in that code?

- (a) NGCFG T      (b) NHCGGU      (c) OFDFET      (d) OHDGHU
- (b) As,

B	A	S	I	C
+2↓	+3↓	+2↓	+3↓	+2↓
D	D	U	L	E

Similarly,

L	E	A	D	E	R
+2↓	+3↓	+2↓	+3↓	+2↓	+3↓
N	H	C	G	G	U

**14.** In a certain code PEN is written as NZO and BARK as CTSL. How can we write PRANK in that coding system?

- (a) NTSLO (b) NSTOL  
(c) NZTOL (d) None of these

➤ (b) According to the question,

P	E	N	B	A	R	K
N	Z	O	C	T	S	L

Therefore word,

P	R	A	N	K
↓	↓	↓	↓	↓
N	S	T	O	L

**15.** If ROYAL is coded as 20-17-01-03-14, how will you code BOIL?

- (a) 04-17-11-14 (b) 04-11-17-14  
(c) 04-14-11-17 (d) None all these

➤ (a) According to the English alphabet,

18 R	15 O	25 Y	01 A	12 L
+2↓	+2↓	+2↓	+2↓	+2↓
20	17	01	03	14

Similarly,

02 B	15 O	09 I	12 L
+2↓	+2↓	+2↓	+2↓
04	17	11	14

**16.** If EARTH is coded as 25634, then HEART is coded as

- (a) 43563 (b) 44563  
(c) 42563 (d) 41563

➤ (c)

E	A	R	T	H
↓	↓	↓	↓	↓
2	5	6	3	4

Similarly,

H	E	A	R	T
↓	↓	↓	↓	↓
4	2	5	6	3

**17.** If in a certain code, BAT = 23 and BALL = 27, then how will you code CAT?

- (a) 24 (b) 23  
(c) 27 (d) 30

➤ (a) The letters are coded by numerals denoting their positions in the English alphabet.

i.e.

A = 1, B = 2, ..., Z = 26

BAT = B + A + T = 2 + 1 + 20 = 23

BALL = B + A + L + L = 2 + 1 + 12 + 12 = 27

Similarly,

CAT = C + A + T = 3 + 1 + 20 = 24

- 18.** In a language A is coded as 1, B is coded as 2,....., then BRIEF is coded as  
 (a) 228956 (b) 218956  
 (c) 248956 (d) 218855  
 ➤ (b) BRIEF is coded as 218956.
- 19.** If 'Room' is called as 'Book', 'Book' is called as 'Bag', 'Bag' is called as 'Mat'. Then, what is useful to carry books?  
 (a) Book (b) Bag  
 (c) Mat (d) None of these  
 ➤ (c) Bag is useful to carry books. Here, bag is coded as mat. So, mat is useful to carry books.
- 20.** If 'Blue' is called 'Green', 'Green' is called 'Black', 'Black' is called 'White', 'White' is called 'Yellow', then what is the colour of milk?  
 (a) Yellow (b) White (c) Green (d) Black  
 ➤ (a) The colour of milk is white. Here, white is called yellow. So, the colour of milk is yellow.
- 21.** In a certain code '467' means 'red colour chalk'; '685' means 'green colour flower' and '367' means 'white colour chalk', then what is the code for 'white'?  
 (a) 4 (b) 8 (c) 5 (d) 3  
 ➤ (d) 467 – red colour chalk  
 685 – green colour flower  
 367 – white colour chalk  
 ∴ Code for white is 3.
- 22.** In a certain code language 'ja na da' means 'how are you', 'na pa qa' means 'they are good' and 'ja ha la' means 'what you want'. What does 'da' mean in that code language?  
 (a) what (b) are (c) they (d) how  
 ➤ (d) 

Ja	na	da	–	how	are	you
na	pa	qa	–	they	are	good
ja	ha	la	–	what	you	want

 ∴ da means how.

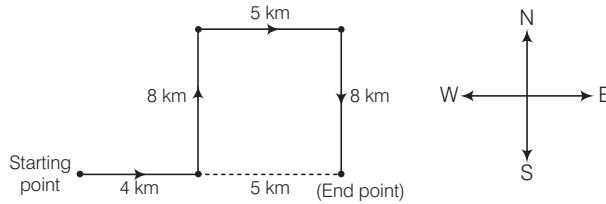
## Direction Sense Test

In these type of questions, some instructions related to directions are given. A candidate is required to follow the instructions and ascertain the final direction or distance between two points. The test is meant to judge the candidate's ability to trace and follow the instructions correctly.

These type of questions can be better understood with the help of examples given below :

- 23.** A girl walks 4 km East and turns left, then she walks 8 km and turns right and walks 5 km and then turns right and walks 8 km. Find the shortest distance travelled by her and her direction from the initial point?  
 (a) 9 km, East (b) 8 km, West  
 (c) 10 km, North (d) 7 km, South

- (a) The data can be represented as



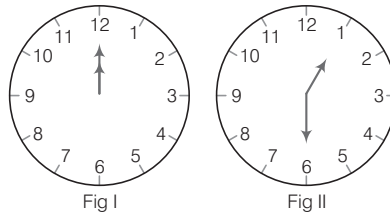
The shortest distance =  $5 + 4 = 9$  km

The direction from the starting point is East.

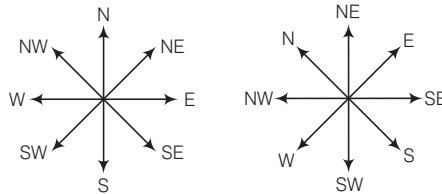
- 24.** A clock is so placed that at 12 : 00 noon its minute hand points towards North-East. In which direction does its hour hand point at 1 : 30 pm?

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

- (a)



At 12:00 noon its minute hand points towards North-East.

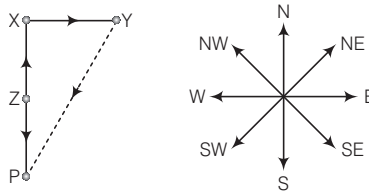


Therefore, clearly the hour hand at 1 : 30 pm points towards the East.

- 25.** 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) East-West (b) South-West (c) North-West (d) None of these

- (b)



P is in South-West of Y.

- 26.** One morning after sunrise, Priya and Arjit were standing in a park while their backs toward each other. Priya's shadow fell exactly towards left hand side. Which direction was Arjit facing?

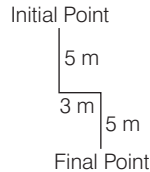
- (a) North (b) East (c) South (d) West

- (c) In the morning, the shadow falls on the west. Therefore, Arjit must be facing South.

27. Bani walks a distance of 5 m towards South. Then she turns to the left and walks 3 m. After this she turns to the right and walks 5 m. Now in which direction is she facing?

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

➤ (c)

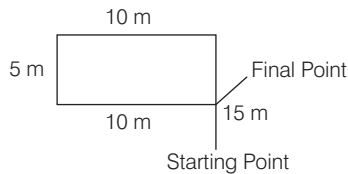


∴ Bani is facing South.

28. From her house, Seema went 15 km to the North. Then she turned West and covered 10 km. Then she turned South and covered 5 km. Finally turning to the East, she covered 10 km. In which direction is she from her house?

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

➤ (d)



∴ Seema is in the North direction from her house.

## Classification

Classification means to observe the differences and similarities among various items such as numbers, letters, words etc based on certain properties. The similarity is common to the group and is followed by every member or item of the group. The one which does not follow the common property in the group is the odd one.

These type of questions can be better understood with the help of examples given below :

29. Choose the one which is different from others.

(a) BYCX (b) FUHS  
(c) KPMN (d) IQEU

➤ (d) In the above group of letters

B Y C X F U H S  
Reverse Reverse Reverse Reverse

K P M N But I R ≠ Q E V ≠ U  
Reverse Reverse Reverse Reverse

So, IQEU does not follow the group and it is odd one.

- 30.** Three out of the following four pairs of numbers have the same relationship. Find the odd one out.

- (a) 4, 63 (b) 1, 0  
(c) 2, 15 (d) 5, 124

➤ (c) The pattern is as follows

$$4 \rightarrow 4^3 - 1 = 64 - 1 = 63$$

$$1 \rightarrow 1^3 - 1 = 1 - 1 = 0$$

$$2 \rightarrow 2^3 - 1 = 8 - 1 = \boxed{\phantom{00}}$$

$$5 \rightarrow 5^3 - 1 = 125 - 1 = 124$$

- 31.** Which one of the following is the odd one out?

- (a) Babar (b) Shershah  
(c) Humayun (d) Akbar

➤ (b) Babar, Humayun and Akbar belonged to Mughal Empire, while Shershah belonged to Suri dynasty.

- 32.** Identify the pair which 'does not' exhibit the same relationship as the capitalised pair :

#### ETYMOLOGY : WORDS

- (a) Psychology : Mind (b) Anatomy : Body  
(c) Philosophy : language (d) Archeology : Antiques

➤ (b) Etymology is the study of words, Psychology is the study of mind, Anatomy is the study of body and Archeology is the study of antiques. But Philosophy is not the study of languages.

## Series

Series can be defined as a sequence or pattern of numbers, alphabets or combination of these two. The term follows a certain pattern throughout the series. The candidate is required to study the given series, identify the pattern followed in the series and then complete the given series with the most suitable alternative or find the wrong term in the series.

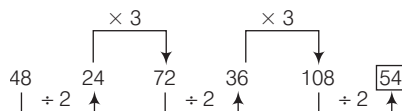
These type of questions can be better understood with the help of examples given below :

**Directions (Ques. Nos 33-35)** Find the missing term in the following series.

- 33.** 48, 24, 72, 36, 108, ?

- (a) 115 (b) 216 (c) 121 (d) 54

➤ (d)



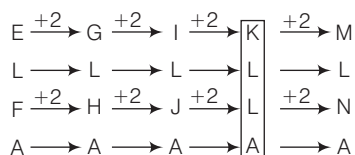
So, the missing term is 54.

- 34.** ELFA, GLHA, ILJA, ....., MLNA

- (a) OLPA (b) KLMA  
(c) LLMA (d) KLLA



- (d) The series follows the following pattern

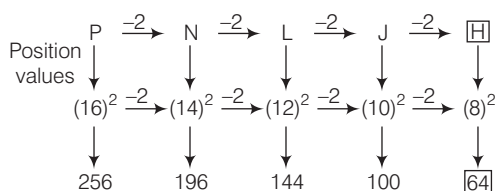


So, KLLA is the missing term.

**35. P256, N196, L144, J100, ?**

- (a) H64                      (b) I81                      (c) G49                      (d) L81

- (a) The pattern is as follows



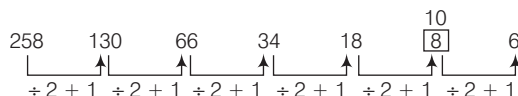
So, the next term will be H64.

**36. Find out the wrong number in the given series**

258, 130, 66, 34, 18, 8, 6

- (a) 130                      (b) 66                      (c) 34                      (d) 8

- (d)



Hence, number 8 is wrong and should be replaced by 10.

**37. In the series given, some letters are missing. Select the correct alternative.**

mc\_m\_a\_ca\_ca\_c\_mc

- (a) acmma                      (b) camcam                      (c) aaacmm                      (d) acmmca

- (a) The pattern is

mca/mca/mca/mca/mca/mc  
 $\Rightarrow$  acmma

## Sitting Arrangement

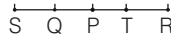
Sitting arrangement is defined as the arrangement of objects or persons based on the given information. The arrangement of persons or objects may be linear, circular, rectangular, square etc.

These type of questions can be better understood with the help of examples given below :

**38. There are five houses, P, Q, R, S and T. P is right of Q and T is left of R and right of P. Q is right of S. Which house is in the middle?**

- (a) P                      (b) Q                      (c) T                      (d) R

- (a) According to the question, the houses can be arranged as

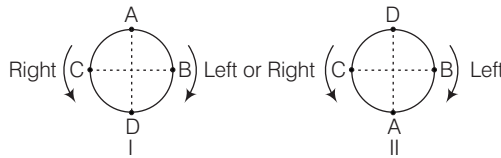


Clearly, the house P is in the middle of all the houses.

- 39.** Four girls A, B, C and D are sitting around a circle facing the centre. B and C are in front of each other, which of the following is definitely true?

- (a) A and D are in front of each other      (b) A is not between B and C  
(c) D is to the left of C      (d) A is to the left of C

- (a) There are two possible arrangements of the four girls around the circle, as follows



Clearly, A and D are in front of each other in both the arrangements.

**Directions (Q. Nos. 40-44)** Each of the following questions is based on the information given below.

- (i) L, M, N, P, Q, R and S are sitting in a circle and playing cards.  
(ii) N, who is the neighbour of P, is not the neighbour of R.  
(iii) Q is second to the left of R.  
(iv) N is second to the left of S, who is the neighbour of M.

- 40.** Which of the following is true?

- (a) Q is the neighbour of S and L  
(b) M is the neighbour of S and L  
(c) R is to the right of P and M  
(d) L is the neighbour of R and N

- 41.** Which of the following pairs has the second person sitting second to the right of the first person?

- (a) NQ      (b) QS  
(c) NR      (d) NS

- 42.** Who is to the immediate right of S?

- (a) M      (b) R  
(c) Q      (d) L

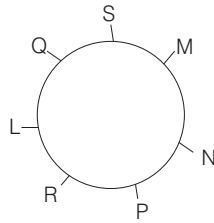
- 43.** What is the position of L?

- (a) To the immediate right of R      (b) Second to the left of M  
(c) To the immediate right of Q      (d) Only between M and R

- 44.** Which of the following is not true?

- (a) R is to the immediate right of L  
(b) P is to the immediate right of R  
(c) N is to the immediate right of P  
(d) L is to the immediate right of R

➤ (d)



40. (a)

41. (d)

42. (c)

43. (c)

44. (d)

## Blood Relations

Blood relations means any relation between two or more persons which is acquired by them by the virtue of their birth. From this topic, questions are asked which involve the analysis of the information showing the blood relations among members of the family. The relationship can be divided into two main categories— Maternal and Paternal. Relations on the mother's side are called maternal while the relations on the father's side are called paternal.

These type of questions can be better understood with the help of example given below :

**45.** A is B's brother, C is A's mother, D is C's father, E is B's son. How is D related to A?

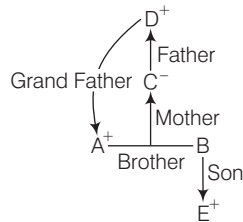
(a) Son

(b) Grandson

(c) Grandfather

(d) Great Grandfather

➤ (c)



Clearly, D is the grandfather of A.

**46.** Pointing towards Preeti, Arun said, "I am the only son of her mother's son." How is Preeti related to Arun?

(a) Niece

(b) Aunt

(c) Cousin

(d) Mother

➤ (b) Preeti's mother's son is the brother of Preeti and brother's son is the nephew. So, Preeti is the aunt of Arun.

**47.** Pointing to Parul, Ram said, "She is daughter of the only child of my father". How is Ram's wife related to that girl?

(a) Aunt

(b) Mother

(c) Cannot be determined

(d) None of these

➤ (b) Only child of Ram's father is Ram and hence Parul is the daughter of Ram. So, Ram's wife is the mother of Parul.

48. My mother's sister's husband's only son's sister is related to me as

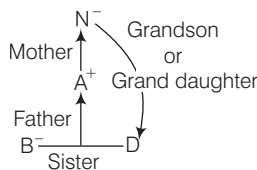
- (a) niece (b) sister  
(c) cannot be determined (d) None of these

➤ (d) My mother's sister is my aunt and her husband is my uncle. So, my aunt's only son's sister is my cousin.

49. If 'P\$Q' means 'P is father of Q', 'P#Q' means 'P is mother of Q', 'P\*Q' means 'P is sister of Q', then now is D related to N in N#A\$B\*D?

- (a) Nephew  
(b) Grandson  
(c) Granddaughter  
(d) Data inadequate

➤ (d) N#A&B\*D



Hence, D is either grandson or grand daughter of N.

## Puzzle

A puzzle is the raw information given in jumbled form for a sequence or an order of things which need to be arranged systematically, so the sequence of things is correctly depicted.

These types of questions can be better understood with the help of examples given below :

**Directions (Q. Nos. 50-51)** Read the following information carefully to answer these questions.

Madhu and Shobha are good in Dramatics and Computer Science. Anjali and Madhu are good in Computer Science and Physics. Anjali, Poonam and Nisha are good in Physics and History. Nisha and Anjali are good in Physics and Mathematics. Poonam and Shobha are good in History and Dramatics.

50. Who is good in Physics, History and Mathematics but not in Computer Science?

- (a) Madhu (b) Poonam  
(c) Nisha (d) Anjali

51. Who is good in Physics, History and Dramatics?

- (a) Poonam (b) Shobha  
(c) Madhu (d) Anjali

➤ **Solutions** (Q. Nos 50-51) From the given information, data is arranged as follows

People	Dramatics	Computer Science	Mathematics	Physics	History
Madhu	✓	✓		✓	
Sobha	✓	✓			✓
Anjali		✓	✓	✓	✓
Poonam	✓			✓	✓
Nisha			✓	✓	✓

50. (c)

51. (a)

**Directions (Q. Nos. 52-53)** Read the following information carefully to answer these questions.

There is a family of six members A, B, C, D, E and F. They are lawyer, doctor, teacher, salesman, engineer and accountant not necessarily in that order. There are two married couples in the family. D, the salesman, is married to the lady teacher. The doctor is married to the lawyer. F, the accountant, is the son of B and brother of E. C, the Lawyer, is the daughter-in-law of A. E is the unmarried engineer. A is grandmother of F.

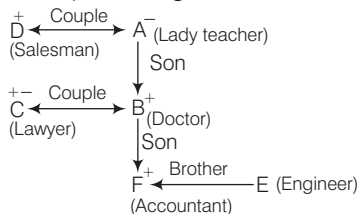
52. How is E related to F?

- (a) Brother (b) Sister  
(c) Cousin (d) Cannot be determined

53. What is the profession of B?

- (a) Teacher (b) Doctor  
(c) Lawyer (d) Cannot be determined

➤ **Solutions** (Q. Nos 52-53) Following information is arranged as follows



52. (d)

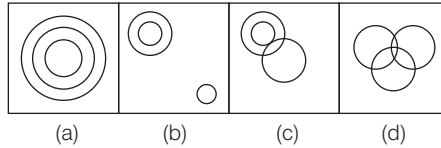
53. (b)

## Logical Venn Diagram

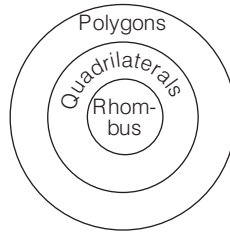
In this topic, we deal with questions which aim at analysing a candidate's ability to relate a certain given group of items/things and represent it diagrammatically. Figures representing the groups of items/things in the form of enclosed regions are called Venn diagrams. To represent these diagrams, we use different geometrical figures such as circles, squares, rectangles, triangles etc.

These type of questions can be better understood with the help of example given below :

**54.** Which figure represents Rhombus, Quadrilaterals, Polygons?



➤ (a)



All rhombus are quadrilaterals.  
All quadrilaterals are polygons.

## Ranking

Ranking means arranging a set of objects/persons from the top and the bottom or from the right and the left, as per the given relation between them. It deals with the problems related to the arrangement of the persons/objects in ascending/descending order based on different parameters like height, weight, age, salary etc and determine the position of person/object in a row/queue.

These type of questions can be better understood with the help of examples given below :

**55.** A class of girls stands in a single line. One girl is 19th in order from both the ends. How many girls are there in the class?

- (a) 27 (b) 37  
(c) 38 (d) 39

➤ (b) Clearly, the girls at the 19th position is exactly in the middle of both the ends.  
∴ Total number of girls =  $(18 + 1 + 18) = 37$

**56.** Vishal is elder than Aakash but younger than Subhi, Yaksh is younger than Deepak but elder than Aakash. If Subhi is younger than Deepak, then who is the eldest.

- (a) Aakash (b) Vishal  
(c) Subhi (d) Deepak

➤ (d) According to the question,  
Subhi > Vishal > Aakash, Deepak > Yaksh > Aakash, Deepak > Subhi  
On arranging the above data, we get  
Deepak > Subhi > Vishal > Yaksh > Aakash. Clearly, Deepak is the eldest.

# Exercise 1

**Directions (Q.Nos. 1-8)** Select the related letters/word number from the given alternatives.

1. Country : President : : State : ?  
(a) Governor (b) Minister  
(c) Member of Parliament (d) Legislator
2. Physician : Treatment : : Judge : ?  
(a) Punishment (b) Judgement (c) Lawyer (d) Court
3. Flow : River : : Stagnant : ?  
(a) Rain (b) Stream (c) Pool (d) Canal
4. PASS : QBTT : : FAIL : ?  
(a) GJBM (b) GBJM (c) MBJG (d) MJBG
5. LKG : pok : : ? : hgf  
(a) DCLE (b) DBC (c) DCD (d) DCB
6. L/O : 12/15 : : J/K : ?  
(a) 9/12 (b) 10/11 (c) 11/10 (d) 12/9
7. 8 : 28 : : 27 : ?  
(a) 28 (b) 65 (c) 85 (d) 62
8. 225 : 15 : : 196 : ?  
(a) 14 (b) 12 (c) 13 (d) None of these

**Directions (Q.Nos. 9-14)** Select the one which is different from the other four responses.

9. (a) Flute (b) Guitar (c) Sitar (d) Violin
10. (a) Walk (b) Think (c) Run (d) Jump
11. (a) Dog (b) Horse (c) Goat (d) Fox
12. (a) 49 (b) 56 (c) 42 (d) 36
13. (a) AO (b) EI (c) AB (d) OU
14. (a) EHL (b) BEH (c) CFI (d) DGJ
15. A lady introduces a man as the son of the brother of her mother. How is the man related to the woman?  
(a) Son (b) Cousin (c) Grandson (d) Nephew

**Directions (Q.Nos. 16-18)** Study the following information carefully and answer the given questions

Seven friends P, Q, R, S, T, U and V teach different-different subject like Mathematics, Physics, Botany, English, History, Psychology and French (not necessarily in the same order). Each friend also like different-different colours

namely Pink, Green, Blue, Red, Yellow, White and Orange (not necessarily in the same order). T teaches Botany and likes Green colour. Q teaches History and does not like Orange, Pink and Yellow colour. Who likes Red colour teach Physics. P teaches French and likes Blue colour. R teaches Mathematics and V teaches Psychology. U does not like Red and Yellow colour. Mathematics teachers does not like Yellow and Orange colour.

16. Which of the following colours does V like?  
 (a) Pink (b) White (c) Orange (d) Yellow
17. Which of the following teaches English subject?  
 (a) U (b) A  
 (c) R (d) cannot be determined
18. Which of the following like White colour?  
 (a) R (b) S (c) U (d) Q
19. If the day before yesterday was Monday, when will Thursday be?  
 (a) Tomorrow (b) Monday  
 (c) Day after tomorrow (d) Two days after tomorrow
20. How many times do the hands of a clock coincide in a day?  
 (a) 24 (b) 11 (c) 12 (d) 22
21. Arrange the given words in ascending order.  
 (1) Centi (2) Hecto (3) Kilo (4) Deci  
 (5) Deca  
**Codes**  
 (a) 1, 4, 5, 2, 3 (b) 5, 1, 2, 3, 4 (c) 5, 2, 1, 4, 3 (d) 2, 5, 3, 1, 4
22. If + stands for  $\times$ , - for  $\div$ ,  $\times$  for - and  $\div$  for +, then find the value of  $26 + 74 - 4 \times 3 \div 2$ .  
 (a) 220 (b) 480 (c) 493 (d) 329
23. Arjun told Rachit, "Yesterday I defeated the only brother of the daughter of my grandmother." Whom did Arjun defeat?  
 (a) Brother (b) Father (c) Cousin (d) Sister
24. In a code language, '123' means 'hot dark coffee', '356' means 'very hot day' and '589' means 'day and night'. Which digit stands for 'very'?  
 (a) 8 (b) 5 (c) 6 (d) 2
25. How many meaningful English words can be made with the letters ARMG using each letter only once in each word?  
 (a) None (b) One (c) Two (d) Three
26. Which letter in the word CYBERNETICS occupies the same position as it does in the English alphabet?  
 (a) C (b) E (c) T (d) I
27. If in a code language, PAINT is written as 74128 and EXCEL is written as 93596, then how will ACCEPT be written in that language?  
 (a) 544798 (b) 455978 (c) 554978 (d) 733961



28. Choose the set of number from the four alternative sets, that is similar to the given set

**Given set :** (3, 18, 36)

- (a) (2, 10, 15)                      (b) (6, 42, 46)                      (c) (4, 24, 48)                      (d) (12, 74, 92)
29. Among A, B, C, D and E each having a different height, E is taller than C and D and shorter than A and B. Who Among them is the tallest?  
(a) A                      (b) B                      (c) A or B                      (d) C
30. In a row of 29 boys, Arun is at 17th position from the left and while Prem is 17th from the right end. How many boys are there between Arun and Prem?  
(a) 6                      (b) 3  
(c) 7                      (d) Cannot be determined
31. If 'P + Q' means 'P is the father of Q', 'P × Q' means 'P is the brother of Q', 'P - Q' means 'P is the mother of Q'. Then, which of the following is definitely true about C - A + B?  
(a) B is the son of A                      (b) B is the father of A  
(c) C is the mother of B                      (d) A is the son of C
32. The letters of the name of a fruit are S, R, A, E, P, G. If the letters are rearranged correctly, what is the last letter of the word formed?  
(a) E                      (b) S                      (c) P                      (d) A
33. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?  
ab \_ b \_ cc \_ a \_ bb  
(a) bcaa                      (b) abcc                      (c) baab                      (d) acbc
34. Choose the word nearest in meaning to underlined part.  
There seems to be perpetual war going on between the rich and the poor.  
(a) always                      (b) never ending                      (c) intermittent                      (d) regular
35. Select the most suitable alternative to fill in the blank in the sentence to make it meaningful.  
He stood ..... as a rock and faced the challenge.  
(a) quite                      (b) firm                      (c) solid                      (d) confident

**Directions (Q.Nos. 36-40) Find the missing letters/numbers in the series.**

36. 6, 11, 21, 36, 56, ?  
(a) 42                      (b) 52                      (c) 91                      (d) 81
37. 1, ?, 27, 64, 125  
(a) 9                      (b) 14                      (c) 8                      (d) 4
38. 10, 22, 8, 24, 6, ?  
(a) 26                      (b) 18                      (c) 20                      (d) 14
39. 5, 6, ?, 57, 244  
(a) 15                      (b) 16                      (c) 18                      (d) 19

40. 1CV, 5FU, 9IT, ?, 17OR  
 (a) 15LS (b) 14MT (c) 15MS (d) 13LS
41. Find the wrong term 8, 13, 21, 32, 47, 63, 83.  
 (a) 13 (b) 21 (c) 47 (d) 32
42. When you see a blind man trying to cross the road, you  
 (a) go and help him (b) ask someone to help him  
 (c) wait till he crosses the road (d) ignore and move on
43. A chocolate always has .....  
 (a) cocoa (b) wrapper (c) nuts (d) milk
44. Cobra is related to Snake in the same way as Leopard is related to .....?  
 (a) Tiger (b) Cat (c) Lion (d) Zebra
45. If O = 16, FOR = 42, then what is FRONT equal to?  
 (a) 62 (b) 65 (c) 78 (d) 74
46. In a certain code language, FAVOUR is written as EBUPTS. How is DANGER written in the code?  
 (a) CBOHFS (b) EBFHDS  
 (c) EBDHFS (d) CBMHDS
47. Which of the following orders denotes the currency of a country?  
 (a) 18-16-5-5-21 (b) 5-18-16-21-5  
 (c) 18-21-16-5-5 (d) 21-18-16-5-5
48. If 'South-East' is called 'East', 'North-West' is called 'West', 'South-West' is called 'South' and so on, what will 'North' be called?  
 (a) North-East (b) South  
 (c) North-West (d) East
49. One of the numbers of the following series is wrong, find the wrong term.  
 9, 10, 13, 18, 26, 34, 45  
 (a) 13 (b) 45 (c) 26 (d) 18
50. A girl is facing East. She turn  $100^\circ$  in the clockwise direction and then  $145^\circ$  in the anti-clockwise direction. Which direction is girl facing now?  
 (a) North-East (b) South-West  
 (c) North (d) East

## Answers

- |         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1. (a)  | 2. (b)  | 3. (c)  | 4. (b)  | 5. (d)  | 6. (b)  | 7. (c)  | 8. (a)  | 9. (a)  | 10. (b) |
| 11. (d) | 12. (d) | 13. (c) | 14. (a) | 15. (b) | 16. (d) | 17. (a) | 18. (d) | 19. (a) | 20. (d) |
| 21. (a) | 22. (b) | 23. (b) | 24. (c) | 25. (b) | 26. (d) | 27. (b) | 28. (c) | 29. (c) | 30. (b) |
| 31. (d) | 32. (b) | 33. (a) | 34. (b) | 35. (b) | 36. (d) | 37. (c) | 38. (a) | 39. (b) | 40. (d) |
| 41. (c) | 42. (a) | 43. (a) | 44. (b) | 45. (c) | 46. (d) | 47. (c) | 48. (c) | 49. (c) | 50. (a) |

## Exercise 2

**Directions (Q. Nos. 1-5)** Study the following information and answer the questions given below.

**Codes**

- (i) P, Q, R, S, T, U and V are sitting in a circle facing at the centre and playing cards.
- (ii) T is neighbour of P and S.
- (iii) V is not between U and R.
- (iv) U is to the immediate right of P.

1. Which of the following pairs has the second person sitting to the immediate right of the first?  
(a) PQ                      (b) RQ                      (c) TP                      (d) SV
2. Which of the following does not have the pair of persons sitting adjacent to each other?  
(a) QP                      (b) RQ                      (c) ST                      (d) VS
3. What is the position of U?  
(a) Third to the left of R                      (b) Second to the right of R  
(c) To the immediate left of Q                      (d) None of these
4. Who are the neighbours of Q?  
(a) P and U                      (b) R and U  
(c) R and T                      (d) P and S
5. Which of the following persons are sitting adjacent to each other from left to right in order as shown?  
(a) QVR                      (b) UQR  
(c) RSV                      (d) TSR

**Directions (Q.Nos. 6-10)** Select the one which is different from the other responses.

6. While travelling in a train, you observe some college students pulling the alarm chain simply to get down at their desired point. You would  
(a) let them pull the chain but check them from detraining  
(b) inform the guard of the train as soon as it stops  
(c) keep quiet and do nothing  
(d) with the help of some passengers, stop them from doing so
7. Your boss has given you some urgent assignment at the end hour. What would you do?  
(a) Tell him that you would do it next day  
(b) Request one of your colleagues to help you  
(c) Try to finish the job as per its requirement  
(d) Request him to shift assignment to another employee as you can not complete the project in haste

8. In public dealing jobs, one must be  
(a) a good listener (b) quick at decision making  
(c) polite and humble (d) punctual
9. You have mild fever, you feel that  
(a) health is more important than work  
(b) it is not necessary to attend office  
(c) it is necessary to join work just to complete the urgent work  
(d) None of the above
10. Your subordinate accidentally spills soft drinks on you in a party. You  
(a) spoil his dress too (b) snub him  
(c) laugh it off (d) say it's 'ok'
11. Choose the odd numeral pair/group.  
(a) 2 : 4 (b) 4 : 8 (c) 6 : 12 (d) 8 : 32
12. If 'Clock' is called 'TV', 'TV' is called 'Cell phone', 'Cell phone' is called 'Oven', 'Oven' is called 'Choper', 'Choper' is called 'Grinder', in what will a lady bake?  
(a) Cell phone (b) Choper  
(c) Oven (d) Grinder
13. Pointing to a photograph, a woman says, "This man's son's sister is my mother-in-law". How is the woman's husband related to the man in the photograph?  
(a) Son (b) Grandson (c) Son-in-law (d) Nephew
14. Preeti is taller than Sarika but not taller than Perna. Perna and Tanya are of the same height. Preeti is shorter than Aaradhya. Amongst all the girls, who is the shortest?  
(a) Aaradhya (b) Perna and Tanya  
(c) Sarika (d) Cannot be determined
15. The position of how many digits will remain same after the digits within the number 4719586 are arranged in ascending order?  
(a) None (b) One (c) Two (d) Three
16. How many such pairs of letters are there in the word ELEPHANT each of which has as many letters between them as there are in English alphabet?  
(a) None (b) One (c) Two (d) Three
17. If Q means 'add to', J means 'multiply by', T means 'subtract from' and K means 'divide by', then  $30 \text{ K } 2 \text{ Q } 3 \text{ J } 6 \text{ T } 5 = ?$   
(a) 18 (b) 35 (c) 28 (d) 103
18. In a certain code language, '493' means 'friendship big challenge', '961' means 'struggle big exam' and '178' means 'exam confidential subject'. Then, what does 'confidential' stand for?  
(a) 7 or 8 (b) 7 or 9 (c) 8 (d) 8 or 1
19. 'Parliament' is related to 'Great Britain', in the same way as 'Congress' is related to  
(a) Japan (b) India (c) USA (d) Netherlands

20. 'Pardon' is related to 'Penalty', in the same way 'Definitely' is related to  
(a) Actually (b) Urgently (c) Positively (d) Probably
21. In a certain code, CONSIDER is written as RMNBSFEJ. How is CHLORINE written in that code?  
(a) NKGBEOJS (b) NKHBFOJS (c) NKGBFNJS (d) NKGBFOJS
22. Vijay started walking towards South. After walking 15 m, he turned to the left and walked 15 m. He again turned to his left and walked 15 m. How far is he from his original position and in which direction?  
(a) 30 m, East (b) 15 m, East  
(c) 15 m, South (d) 15 m, North
23. If '+' means '÷', '÷' means '×', '×' means '-' and '-' means '+', then  
 $24 + 6 \times 2 \div 3 - 4 = ?$   
(a) 6 (b) 4 (c) 2 (d) 7
24. Seema travels a distance of 5 km from a place 'A' towards North, turns left and walks 3 km, again turns right and walks 2 km, finally turns right and walks 3 km to reach the place B. What is the distance between A and B?  
(a) 13 km (b) 7 km (c) 3 km (d) 10 km
25. BEST is written as VYMN, then DTCP may be written as  
(a) XMWJ (b) XNWL (c) XNWJ (d) WNVJ
26. Select the word that is opposite in meaning to the main word.  
AGONY  
(a) Bliss (b) Pleasure (c) Laughter (d) Ecstasy
27. Select the most suitable alternative to fill in the blank in the sentence to make it meaningful.  
When the morning ..... the murder was discovered.  
(a) occurred (b) came (c) arrived (d) happened
28. B is to the South-West of A, C is to the East of B and South-East of A and D is to the North of C in line with B and A. In which direction of A is D located?  
(a) North (b) East (c) North-East (d) South-East
29. 'Sailor' is related to 'Ship', in the same way as 'Lawyer' is related to  
(a) Legal (b) Law (c) Court (d) Ruling
30. Find out the one that does not belong to the group.  
(a) ZYW (b) SQN (c) GEB (d) JHE
31. 'Shoes' is related to 'Leather', in the same way as 'Rubber is related to  
(a) Plastic (b) Latex (c) Polythene (d) Footwear
32. In a code language CIRCLE is coded as XRIXOV, how would you code SQUARE in the same language?  
(a) HJFZIV (b) HJFZIX (c) HJFZVI (d) HJFZLX

33. Ramesh is taller than Arjun, who is not as tall as Karan. Sanjay is taller than Archit but shorter than Arjun. Who among them is the tallest?  
 (a) Ramesh (b) Arjun  
 (c) Archit (d) Cannot be determined
34. A person starts towards South direction. Which of the following orders of directions will lead him to East direction?  
 (a) Right, right, right (b) Left, left, left (c) Left, right, right (d) Right, left, right
35. How many sets of two letters have as many letters between them as they have in the alphabetical order in the word 'Prudent'?  
 (a) None (b) 1 (c) 2 (d) 3

**Directions (Q.Nos. 36-38) Answer the following questions based on the symbol/letter/number sequence given below.**

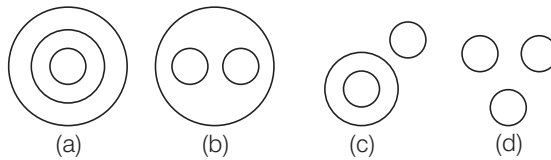
**5 % U D F 3 2 ! 9 8 S O 0 & Q 1 G @ ≠ 7 6 B X Y**

36. How many letters are there in the above arrangement which are immediately preceded by a number and immediately followed by a symbol?  
 (a) Nil (b) One (c) Two (d) Three
37. How many symbols in the sequence are either immediately preceded by a letter belonging to the second half of the English alphabet or are immediately followed by a number greater than 5?  
 (a) One (b) Two (c) Three (d) None
38. U! is related to Y @, in the same way as D% is related to  
 (a) X7 (b) B@ (c) 58 (d) DG
39. A man walks 30 m towards South. Then, turning to his right, he walks 30 m. Then, turning to his left, he walks 20 m. Again, he turns to his left and walks 30 m. How far is he from his initial position?  
 (a) 50 m (b) 30 m (c) 60 m (d) 40 m
40. If the letters in the word UNDERTAKING are arranged in the alphabetical order, which one will be in the middle in order after the rearrangement?  
 (a) G (b) K (c) I (d) N
41. If the day after tomorrow is Saturday, what day was two days before yesterday?  
 (a) Saturday (b) Tuesday (c) Monday (d) Sunday
42. If wrongly accused of something, you would  
 (a) try to convince others, but without any hope of doing so  
 (b) try your best to convince others  
 (c) not even try, as it would be of no use  
 (d) be able to convince others of your innocence easily
43. Milk always contains  
 (a) sugar (b) fats (c) calcium (d) water
44. A man always has  
 (a) teeth (b) eyes (c) hands (d) heart

45. In a certain code, STOVE is written as FNBLK, then how will VOTES be written in the same code?

- (a) LBKFN (b) LBNKF  
(c) LKNBF (d) LNKBF

**Directions (Q. Nos. 46-50)** In each of these questions, three words are related in some way. The relationship among the words in the question can be represented by one of the five diagrams (a), (b), (c), (d), (e) given below. Mark your answer accordingly.



46. Teacher, College, Student  
47. Professor, Researcher, Scientist  
48. Parrots, Birds, Mice  
49. Apple, Golden apples, Fruits,  
50. English, Hindi, Greek

## Answers

- |         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1. (c)  | 2. (a)  | 3. (c)  | 4. (b)  | 5. (b)  | 6. (d)  | 7. (c)  | 8. (a)  | 9. (c)  | 10. (d) |
| 11. (d) | 12. (b) | 13. (b) | 14. (c) | 15. (b) | 16. (b) | 17. (c) | 18. (a) | 19. (c) | 20. (d) |
| 21. (d) | 22. (b) | 23. (c) | 24. (b) | 25. (c) | 26. (b) | 27. (a) | 28. (c) | 29. (c) | 30. (a) |
| 31. (b) | 32. (a) | 33. (d) | 34. (a) | 35. (c) | 36. (b) | 37. (b) | 38. (a) | 39. (a) | 40. (b) |
| 41. (c) | 42. (b) | 43. (c) | 44. (d) | 45. (b) | 46. (b) | 47. (b) | 48. (c) | 49. (b) | 50. (d) |