

# 1. Series Completion

## LEVEL - 1

### NUMBER SERIES:

Find out the wrong, number in each sequence:

1. 22, 33, 66, 99, 121, 279, 594  
(A) 33 (B) 121 (C) 279 (D) 594
2. 46080, 3840, 384, 48, 24, 2, 1  
(A) 1 (B) 2 (C) 24 (D) 384
3. 1, 8, 27, 64, 124, 216, 343  
(A) 25 (B) 30 (C) 37 (D) 40
4. 6, 13, 18, 25, 30, 37, 40  
(A) 25 (B) 30 (C) 37 (D) 40
5. 25, 35, 49, 81, 121, 169, 225  
(A) 36 (B) 49 (C) 121 (D) 169

Choose the correct answer:

6. 201, 208, 215, .....? upto 25th term  
(A) 360 (B) 367 (C) 369 (D) 370
7. 16807, 2401, ?, 49  
(A) 27 (B) 343 (C) 342 (D) 729
8. 221, 143, 77, 35, ?  
(A) 15 (B) 33 (C) 2 (D) 3
9. 58, 84, 42, 27, 75, ?  
(A) 53 (B) 35 (C) 23 (D) 34
10. 45, 54, 47, ?, 49, 56, 51, 57, 53  
(A) 48 (B) 50 (C) 55 (D) None of these
11. 2, 15, 4, 12, 6, 7, ?, ?  
(A) 8, 8 (B) 8, 0 (C) 3, 8 (D) None of these

Choose the correct answer:

12. D \_\_\_ 6 E G P \_\_\_ H J \_\_\_ 12 K M B 15 \_\_\_  
(A) E, 7, J, L (B) F, 8, M, K (C) G, 9, 1, M (D) J, 9, V, N
13. F \_\_\_ U 6 \_\_\_ 91 \_\_\_ T 7 \_\_\_ 20 \_\_\_ 4 D 23  
(A) 11, G, 16, K, U (B) 13, H, 15, L, M (C) 17, J, 19, R, S (D) 21, R, 18, G, W
14. X W C \_\_\_ T S 20 \_\_\_ P 12 \_\_\_ L 15 K \_\_\_ P \_\_\_ G S 7  
(A) 17, F, I, S, T (B) 19, E, L, R, H (C) 21, G, L, N, F (D) 23, H, K, O, H

Choose the correct answer:

15. A12K, B14L, C16M, D18N, ?  
(A) E5O (B) A6B (C) E20O (D) E2O

16. R 324 R,S 361S, T400T, ?, V484V  
 (A) U441U (B) E25E (C) L144L (D) C9C

**Choose the missing terms out of the given alternatives:**

17. AZ,GT,MN,?,YB  
 (A) JH (B) SH (C) SK (D) TS
18. AZY, BUT,CXW,DWV,?  
 (A) EVA (B) EVU (C) VEU (D) VUE
19. A,B,B,D,C,F,D,H,E,?,?  
 (A) E,F (B) F,G (C) F,I (D) J,F
20. ejo,thyd,ins,xch,?  
 (A) nrw (B) mrw (C) msx (D) nsx
21. A,CD,GHI,?,UVWXY  
 (A) LMNO (B) MNO (C) MNOP (D) NOPQ

### LEVEL - 2

**NUMBER SERIES:**

**Choose the missing terms out of the given alternatives.**

1. 357,363,369,.....10<sup>th</sup> term is:  
 (A) 405 (B) 411 (C) 413 (D) 417
2.  $\frac{2}{\sqrt{5}}, \frac{3}{\sqrt{5}}, \frac{4}{5\sqrt{5}}, \frac{5}{25}, ?$   
 $\frac{76}{25\sqrt{5}}$   
 (A)  $\frac{6}{5\sqrt{5}}$  (B) (C) (D)
3. Which term of the series 5,8,11,14,..... is 320?  
 (A) 104th (B) 105th (C) 106th (D) 64th
4. 20,20,19,16,17,13,14,11,?,?  
 (A) 10,10 (B) 11,13 (C) 13,14 (D) 13,16
5. 1.5,2.3,3.1,3.9,?  
 (A) 4.2 (B) 4.4 (C) 4.7 (D) 5.1

**Find out the wrong number in each sequence:**

6. 52,51,48,43,34,27,16  
 (A) 27 (B) 34 (C) 43 (D) 48
7. 125,127,130,135,142,153,165  
 (A) 130 (B) 142 (C) 153 (D) 165
8. 125,123,120,115,108,100,84  
 (A) 123 (B) 115 (C) 100 (D) 84

9. 1,2,6,15,31,56,91  
 (A) 31 (B) 91 (C) 56 (D) 15

In each of the following questions, three sequences of letters/mumerals are given which correspond to each other in some way. In each question, you have to find out the letters/numerals that come in the vacant places marked by '?'. These are given as one of the four alternatives under the question. Mark your answer as instructed.

10. \_ A C \_ B D \_ C D C D \_  
 2 \_ 4 1 \_ 1 4 \_ \_ \_ \_ 2  
 c d \_ b c \_ a ? ? ? ? c  
 (A) a,b,a,b (B) a,c,a,c (C) c,b,c,b (D) c,d,c,d
11. A \_ B A C \_ D \_ B C D C  
 \_ 3 \_ 2 \_ 1 \_ 4 ? ? ? ?  
 D c \_ \_ b a c b \_ \_ \_ \_  
 (A) 1,3,4,3 (B) 1,4,3,4 (C) 2,3,4,3 (D) 3,4,1,4
12. \_ A D A C B \_ \_ B D C C  
 1 3 \_ \_ 1 2 4 2 \_ \_ \_ \_  
 a \_ \_ b \_ \_ c d ? ? ? ?  
 (A) a,c,d,d (B) a,d,c,c (C) c,a,d,d (D) d,c,a,a

Choose the correct alternatives :

13. a \_ \_ b c c \_ \_ b b \_ \_ a a \_ \_ c c  
 (A) abaaccbb (B) baaaccbb (C) bbbaaacc (D) None of these
14. \_ x y \_ z \_ x x y y \_ \_  
 (A) xyzzz (B) zzzxy (C) yxzzz (D) xxyyz
15. t e \_ t \_ \_ \_ e a  
 (A) aeat (B) aeaa (C) aaet (D) teaa
16. k \_ m n \_ \_ \_ n k l \_ n  
 (A) lkmm (B) mmlk (C) kllmm (D) lkmm

### ALPHA - NUMERIC SERIES

Choose the missing term out of the given alternatives :

17. B6C, E35G, K143M, Q343S, ?  
 (A) W46B (B) W64B (C) W23B (D) W43B
18. M14O,P17R,S20U,?,  
 (A) V67X (B) V32X (C) V23X (D) V8X

# 2. Analogy

## LEVEL - 1

### LETTER ANALOGY :

In each of the following questions find out the alternative which will replace the question mark.

- REASON : SFBTPO :: THINK : ?  
(A) SGHMJ (B) UIJOO (C) UHNKI (D) UJKPM
- FIELD: GJFME :: SICKLE : ?  
(A) RHBJKD (B) RHJBKD (C) TJLDMF (D) TJDLMF
- ACFJ : ZXUQ :: EGIN : ?  
(A) VUSQ (B) UTRP (C) VRPM (D) VTRM
- 'Nun' is related to 'Convent' in the same way as 'Hen' is related to : ?  
(A) Nest (B) Shed (C) Cell (D) Cote
- 'Reading' is related to 'knowledge' in the same way as 'Work' is related to : ?  
(A) Money (B) Employment (C) Experience (D) Engagement
- 'College' is related to 'Teachers' in the same way as "Hospital' is related to ?  
(A) Doctors (B) Patients (C) Medicin (D) Beds

### COMPLETING THE ANALOGOUS PAIR

Each of the following questions has a group. Find out which one of the given alternatives will be another member of the group or of that class:

- Newspaper, Hoarding, Television  
(A) Press (B) Media (C) Rumor (D) Broadcast
- Engine, Compartment, Wheels  
(A) Motor (B) Ship (C) Sea (D) Rail-line
- Carpenter, Plumber, Electrician  
(A) Doctor (B) Blacksmith (C) Propessor (D) Lawyer

### CHOOSING THE ANALOGOUS PAIR

In each word of the following questions consists of pair of words bearing a relationship among these, from amongst the alternatives, pick up the pair that best illustrate a similar relationship.

- Glove : Hand  
(A) Neck : Collar (B) Tie : Shirt (C) Socks : Feet (D) Coat : Pocket
- Lawyer : Court  
(A) Chemist : Court (B) Businessman : Office  
(C) Labour : Factory (D) Athlete : Olympics
- Letter : Word  
(A) Page : Book (B) Product : Factory  
(C) Club L People (D) Home work L School
- Silence : Noise  
(A) Quiet : Peace (B) Baldness : Hair  
(C) Talk : Whisper (D) Sing : Dance

**NUMBER ANALOGY**

In each of the following questions find out the alternative which will replace the question mark.

14. 335:216::987:?  
 (A) 868 (B) 867 (C) 872 (D) 888
15. 16:56::32:?  
 (A) 96 (B) 112 (C) 120 (D) 128

**LEVEL - 2**

**NUMBER ANALOGY**

In each of the following questions find out the alternative which will replace the question mark.

1. 10:99:9:?  
 (A) 69 (B) 80 (C) 97 (D) 49
2. 16:272::18:?  
 (A) 343 (B) 342 (C) 423 (D) 433
3. In this pyramid number if : 11 22 31 : 12 21 32 :: 9 12 21 :?



**ALPHABET ANALOGY**

In each of the following questions find out the alternative which will replace the question mark.

4. BLOCKED : YOLXPVW :: ? : OZFMXS  
 (A) DEBATE (B) RESULT (C) LABOR (D) LAUNCH
5. CECH : HDEC :: ? : PNRV  
 (A) VRNP (B) RNPV (C) NRVP (D) VNRP
6. DFHJ : LNPR :: TVXZ:?  
 (A) DBFH (B) DBHF (C) BDFH (D) FDBH

**DIRECT / SIMPLE ANALOGY**

In each of the following questions find out the alternative which will replace the question mark.

5. 'Calf' is related to 'Cow' in the same way as 'Kitten' is related to:?  
 (A) Deer (B) Bear (C) Cat (D) Duck
6. 'Mountain' is related to 'Hill' in the same way as 'River' is related to:?  
 (A) Path (B) Swimming (C) Flowing (D) Tank
7. 'Dogs' is related to 'Bark' in the same way as 'Goates' is related to"?  
 (A) Bleat (B) Crow (C) Grunt (D) Howl

**CHOOSING THE ANALOGOUS PAIR**

In each word of the following questions consists of pair of words bearing a relationship among these, from amongst the alternative pick up the pair that best illustrate a similar relationship.

8. Kick : Football  
 (A) Wash : Dishes (B) Dust : Rage (C) Mop : Sweep (D) Throw : Ring
9. Numismatist : Coins  
 (A) Jeweller : Jewels (B) Cartographer : Maps  
 (C) Morning : Night (D) Energetic : Lazy
10. Sunrise : Sunset  
 (A) Dawn : Twilight (B) Noon : Midning  
 (C) Morning : Night (D) Energetic : lazy

**COMPLETING THE ANALOGOUS PAIR**

Each of the following questions has a group. Find out which one of the given alternatives will be another member of the group or of that class.

11. Lungs, liver, Kidney  
 (A) Neck (B) Testis (C) Heart (D) Nose
12. Root, Stem, Branch  
 (A) Fertilizer (B) Leaf (C) Tree (D) Wood
13. Volleyball, Hockey, Foot ball  
 (A) Aquatics (B) Baseball (C) Athletes (D) Sports

**DOUBLE ANALOGY**

Find the correct combination in each case and choose the correct answer:

14. I : England :: Lira : II  
 I (1) London (2) Pound (3) King (4) Colony  
 II (a) Italy (b) Mexico (c) Mandolin (d) Money  
 (A) 1a (B) 1b (C) 2a (D) 1d
15. Part : I :: Class : II  
 I (1) Section (2) Whole (3) School (4) Students  
 II (a) Students (b) School (c) Teachert (d) Rooms  
 (A) 1c (B) 2b (C) 3a (D) 4d
16. I : Melt :: Bright : II  
 I (1) Liquid (2) Ice (3) Heat (4) Freeze  
 II (a) Dull (b) Dazzle (c) Light (d) Colour  
 (A) 1d (B) 2c (C) 3b (D) 4a

# 3. Classification

## LEVEL - 1

### CHOOSING THE ODD WORD

In each of the following questions, five words have been given out of which four are alike in some manner, while the fifth one is different. Choose out the odd one.

- Choose the word which is different from the rest  
 (A) Chameleon (B) Crocodile (C) Alligator  
 (D) Locust (E) Salamander
- Choose the word which is different from the rest  
 (A) Mumbai (B) Cochin (C) Kandla  
 (D) Mysore (E) Vishakhapatnam
- Choose the word which is different from the rest  
 (A) Rectangle (B) Square (C) Cube (D) Triangle
- Choose the word which is different from the rest  
 (A) Albatross (B) Ostrich (C) Pelican (D) Penguin

### CHOOSING THE ODD PAIR OF WORDS

In each of the following questions, certain pairs of words are given, out of which the words in all pairs except one, bear a certain common relationship. Choose the pair in which the words are differently related.

- Choose the pair in which the words are differently related from the rest  
 (A) Crime : Punishment (B) Judgement : Advocacy  
 (C) Enterprise : Success (D) Exercise : Health
- Choose the pair in which the words are differently related from the rest.  
 (A) Hard : Soft (B) Long : High (C) Sweet : Sour (D) Pointed : Blunt
- Choose the pair in which the words are differently related from the rest  
 (A) Avesta : Parsi (B) Torah : Jew  
 (C) Tripitaka : Troupe (D) Singer : Chorus
- Choose the pair in which the words are differently related from the rest  
 (A) Tongue : Taste (B) Eye : Blind  
 (C) Ear : Dear (D) Leg : Lameness

### CHOOSING THE ODD LETTER :

In each of the following questions, some groups of letters are given, all of which, except one, share a common similarity while one is different. Choose the odd one out.

- Choose the odd one out  
 (A) APBQ (B) CRDT (C) EUFV (D) GWHX (E) LNMO
- Choose the odd one out  
 (A) DFBG (B) IKGM (C) SUQV (D) MOKP (E) VXTY
- Choose the odd one out  
 (A) ACDF (B) FGKL (C) HIVF (D) TUOP

12. Choose the odd one out  
 (A) AJKL (B) IXYZ (C) EPQR (D) OFGH (E) VCBA

### CHOOSING THE ODD NUMERAL

In each of the following questions, some groups of numbers are given, all of which, except one, share a common similarity while one is different. Choose the odd one out.

13. 8,27,64,100,125,216,343  
 (A) 27 (B) 100 (C) 125 (D) 343
14. 396,462,572,427,671,264  
 (A) 396 (B) 427 (C) 671 (D) 264
15. 6,9,15,21,24,28,30  
 (A) 28 (B) 21 (C) 24 (D) 30
16. 2,5,10,17,26,37,50,64  
 (A) 50 (B) 26 (C) 37 (D) 64
17. 16,25,36,72,144,196,225  
 (A) 36 (B) 72 (C) 196 (D) 225

## LEVEL - 2

### CHOOSING THE ODD WORD

In each of the following questions, five words have been given out of which four are alike in some manner, while the fifth one is different. Choose the words which is different from the rest

1. (A) Biscuits (B) Chocolate (C) Cake (D) Bread (E) Pastry
2. (A) Coat (B) Shirt (C) Blouse (D) Trousers (E) Sweater
3. (A) Asia (B) Argentinian (C) Africa  
 (D) Australia (E) Antarctica

In each of the following questions, four words have been given out of which three are alike in some manner, while the fourth one is different. Choose the word which is different from the rest

4. Choose the word which is different from the rest  
 (A) Telescope (B) Transistor (C) Taperecorder (D) Telephone
5. Choose the word which is different from the rest  
 (A) Brook (B) Bridge (C) Stream (D) Canal

### CHOOSING THE ODD PAIR OF WORDS

In each of the following questions, certain pairs of words are given, out of which the words in all pairs except one, bear a certain common relationship. Choose the pair in which the words are differently related.

6. Choose the pair in which the words are differently related from the rest  
 (A) Whale : Mammal (B) Salamander : Insect  
 (C) Snake : Reptile (D) Frog : Amphibian

7. Choose the pair in which the words are differently related from the rest  
 (A) Petrol : Car (B) Ink : Pen  
 (C) Garbage : Dustbin (D) Lead : Pencil
8. Choose the pair in which the words are differently related from the rest  
 (A) Venus : Shukra (B) Uranus : Indra  
 (C) Mars : Mangal (D) Stauru : Budha
9. Choose the pair in which the words are differently related from the rest  
 (A) Fan : Balades (B) Lamp : Bulb  
 (C) Clock : Alrm (D) Bicycle : Pedal
10. Choose the pair in which the words are differently related from the rest  
 (A) Sahara : Africa (B) Thar : India  
 (C) Kalahari : America (D) Gobi : Mongolia

**CHOOSING THE ODD LETTER :**

In each of the following questions, some groups of letters are given, all of which, except one, share a common similarity while one is different. Choose the odd one out.

11. Choose the odd one out  
 (A) PEAR (B) TORE (C) REAP (D) TEAR (E) LEAR
12. Choose the odd one out  
 (A) AEIO (B) BFJN (C) CGKO (D) DHLP
13. Choose the odd one out  
 (A) ABpQ (B) npRS (C) PQrT  
 (D) EFGh (E) LNrX
14. Choose the odd one out  
 (A) BFJM (B) DEFG (C) JMPS (D) PRTV

**CHOOSING THE ODD NUMERALS :**

In each of the following questions, some groups of numbers are given, all of which, except one, share a common similarity while one is different. Choose the odd one out

15. (A) 7-84 (B) 6-108 (C) 5-75 (D) 3-99
16. (A) 62-37 (B) 74-40 (C) 85-60 (D) 103-78
17. (A) 22,4,5 (B) 34,4,8 (C) 37,4,9 (D) 54.4.13
18. (A) 34-12 (B) 43-30 (C) 52-21 (D) 62-19

# 4. Coding & Decoding

## LEVEL - 1

### CHOOSING THE BEST OPTION

- If in a certain code, TWENTY is written as 863985 and ELEVEN is written as 323039, how is TWELVE written in that code?  
(A) 863203 (B) 863584 (C) 863903 (D) 863063
- If GO = 32, SHE = 49, then SOME will be equal to  
(A) 56 (B) 58 (C) 62 (D) 64
- In a certain code, PRODUCTIONS is written as QQPCVEUHPMT. How is ORIENTATION written in that code?  
(A) PQJDOVBSJNO (B) PQJDOUBUJPO (C) PSJFOVBSJNO (D) NSHFMVBSJNO
- If 'black' means 'pink', 'pink' means 'blue', 'blue' means 'white', 'white' means 'yellow', 'yellow' means 'red' and 'red' means 'brown', then what is the colour of clear sky?  
(A) Brown (B) Red (C) Blue (D) Pink (E) None of these
- If 'train' is called 'bus', 'bus' is called 'tractor', 'tractor' is called 'car', 'car' is called 'scooter', 'scooter' is called 'bicycle', 'bicycle' is called 'moped', which is used to plough a field?  
(A) Train (B) Bus (C) Tractor (D) Car (E) Moped
- If 'lead' is called 'stick', 'stick' is called 'nib', 'nib' is called 'needle', 'needle' is called 'rope' and 'rope' is called 'thread', what will be fitted in a pen to write with it  
(A) Stick (B) Lead (C) Needle (D) Nib (E) Thread
- If 'rat' is called 'dog', 'dog' is called 'mongoose', 'mongoose' is called 'lion' and 'lion' is called 'snake', 'snake' is called 'elephant', which is reared as pet  
(A) Rat (B) Dog (C) Mongoose (D) Lion (E) Elephant
- If 'paper' is called 'wood', 'wood' is called 'straw', 'straw' is called 'grass', 'grass' is called 'rubber' and 'rubber' is called 'cloth', what is the furniture made up of?  
(A) Paper (B) Wood (C) Straw (D) Grass (E) Cloth
- If 'man' is called 'girl', 'girl' is called 'woman', 'woman' is called 'boy', 'boy' is called 'butler' and 'butler' is called 'rogue', who will serve in a restaurant?  
(A) Butler (B) Girl (C) Man (D) Woman (E) Rogue
- If in a language, 'finger' is called 'toe', 'toe' is called 'foot', 'foot' is called 'thumb', 'thumb' is called 'ankle', 'ankle' is called 'palm' and 'palm' is called 'knee', then in that language, what will an illiterate man put to mark his signature?  
(A) Toe (B) Knee (C) Thumb (D) Ankle
- If 'eraser' is called 'box', 'box' is called 'pencil', 'pencil' is called 'sharpen' and 'sharpener' is called 'bag', what will a child write with  
(A) Eraser (B) Box (C) Pencil (D) Sharpener (E) Bag
- If SKY is called sea, SEA is called WATER, WATER is called AIR, AIR is called CLOUD and CLOUD is called RIVER, then what do we drink when thirsty?  
(A) SKY (B) AIR (C) WATER (D) SEA

13. If SAND is called AIR, Air is called PLATEAU, PLATEAU is called WELL, WELL is called ISLAND and ISLAND is called SKY, then from where will a woman draw water?  
 (A) WELL (B) ISLAND (C) SKY (D) AIR
14. If AIR is called GREEN, GREEN is called BLUE, BLUE is called SKY, SKY is called YELLOW, YELLOW is called WATER and WATER is called PINK, then what is the colour of clear sky?  
 (A) BLUE (B) SKY (C) YELLOW (D) WATER (E) PINK

**Direct letter coding:**

**In a secret way of writing, "INDIAN HAS WON FIRST GOLD MEDAL" is written as "JFZJU OUVSEF PJDVB REQZITUQ". Bearing the method in mind, pick up the code from the answer choices for each given word.**

15. FOOT  
 (A) BEEB (B) CEEA (C) PEEB (D) SEEZ
16. WOOD  
 (A) BEEZ (B) ZEES (C) LEED (D) SEEZ
17. TAILOR  
 (A) ZUTQED (B) BUJQED (C) SUTQED (D) BUTQEP

**DECIPHERING MESSAGE WORD, NUMBER AND SYMBOL CODES**

**Choose the correct option:**

18. If 'gnr tag zog qmp' stands for 'seoul olympic organising committee'; hyto gnr emf stands for 'summer olympic games' and 'esm sdr hyto' stands for 'modem games history', what would be the code for 'summer'?  
 (A) hyto (B) gnr (C) emf (D) zog
19. In certain codelanguage, 'Tom kun Sud' means 'Dogs are barking'; 'Kun Jo mop' means 'Dogs and Horses' and 'Mut Tom Ko' means "Donkeys are mad". Which word in that language means 'barking'?  
 (A) Sud (B) Kun (C) Jo (D) Tom (E) Ko
20. In a certain code, '37' means 'which class' and '583' means 'caste and class'. What is the code for caste?  
 (A) 3 (B) 7 (C) 8  
 (D) either 5 or 3 (E) either 5 or 8
21. In a certain code '256' means 'you are good', '637' means 'we are bad' and '358' means 'good and bad'. Which of the following represents 'and in that code'  
 (A) 2 (B) 5 (C) 8 (D) 3

**JUMBLLED CODING**

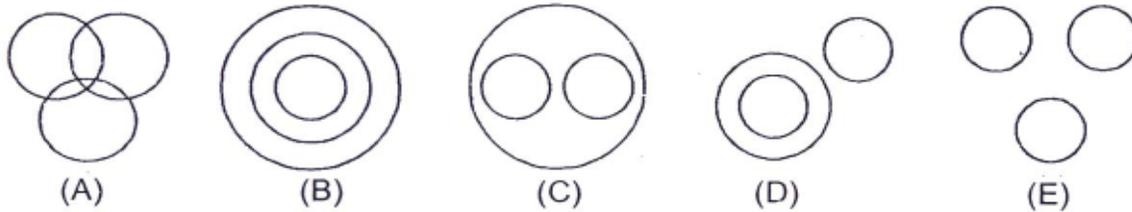
**Study the two columns carefully and then find the one which has the code equivalents of the letters of the words given in the question:**

22. KNOW  
 (A) hmfr (B) mhfr (C) rfmh (D) None of these
23. RATIONAL  
 (A) epszmfcp (B) epzsfmcp (C) eepffs (D) epszmfpc
24. SCROLL  
 (A) dacne (B) daemcc (C) daemca (D) daeeqq

# 5. Logical Venn Diagram

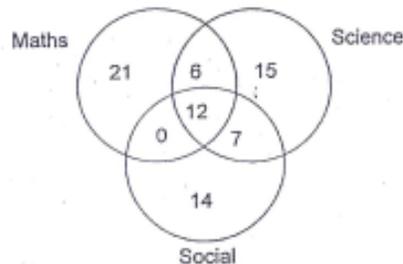
## LEVEL - 1

In each of these questions, three words are related in some way. The relationship among the words in the question can best be represented by one of the five diagrams (a), (b), (c), (d) and (e) given below mark your answer accordingly.

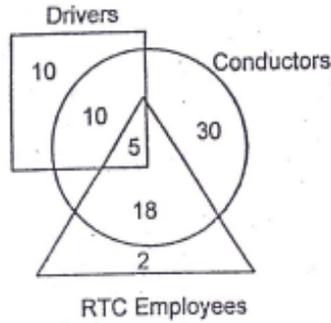


1. Teacher, College, Student
2. Mother, Homosapien, Woman
3. Iron, Lead, Nitrogen
4. Cabinet, Home Minister, Minister
5. Parrots, Birds, Mice
6. Professor, Researcher, Scientist
7. Men, Rodents, Living beings
8. Parents, Mother, Father
9. English, Latin, Greek
10. Nitrogen, Ice, Air

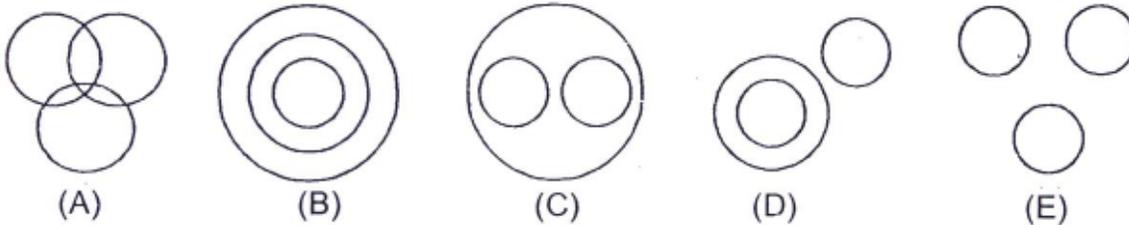
The questions are based on the following diagram. The following diagram has three intersecting circles, each representing a group of students who passed the subjects who passed the subjects shown in it. Study the diagram carefully and answer the questions.



These questions are based on the following diagram



In each of these questions, three words are related in some way. The relationship among the words in the question can best be represented by one of the five diagrams (a), (b), (c), (d) and (e) given below mark your answer accordingly.



11. Musicians, Singers, Women
12. Elephant, Carnivore, Tiger
13. Fish, Herring, Animals living in water
14. Hospital, Nurse, Patient
15. Rice, Mustard, Beetroot
16. Nose, Hand, Body
17. Rings, Ornaments, Diamond rings
18. Furniture, Tables, Books
19. Indoor Games, Chess, Table Tennis
20. Sailor, Ship, Ocean

# 6. Alphabet Test

## LEVEL - 1

Find out how many such pairs of letters are there in the given word each of which has as many letters between them in the word as in the English alphabet. Choose the correct answer

- WONDERFUL  
(A) more than three      (B) one      (C) two      (D) three
- PICKLE  
(A) two      (B) three      (C) four      (D) five
- PRESENCE  
(A) Two      (B) three      (C) four      (D) five
- HACKLE  
(A) ONE      (B) two      (C) three      (D) four

### **RULE DETECTION**

In each of the following questions, find out which of the letter - series follows the given rule.

- Number of letters skipped in between adjacent letters decrease in order  
(A) AGMRV      (B) HNSWA      (C) NSXCH      (D) SYDHK
- The group of letters should not contain more than two vowels  
(A) BDEJOLY      (B) JKAPIXU      (C) PRAQEOS      (D) ZILERAM

Following questions are based on the general English alphabet:

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

- If the alphabets are arranged in the reverse order, which letter will be 8th letter to the left of the 7th letter counting from the right end?  
(A) P      (B) O      (C) N      (D) Q
- If the letters of the given alphabet interchange positions, so that A takes the place of Z and Z takes the place of A, B exchange its place with Y and so on, what will be the thirteenth letter from the right?  
(A) M      (B) N      (C) O      (D) L
- In the given series of letters, how many t's are preceded and followed by t?  
P t P t t P P t P t P P P q q P t P t t P P P t  
(A) 0      (B) 2      (C) 3      (D) 4

**WORD FORMATION BY UNSCRABLING LETTERS**

Select the combination of numbers so that the letters arranged according will form a meaningful word :

6. T L P N A E  
1 2 3 4 5 6  
(A) 3,2,5,4,1,6 (B) 3,2,5,4,6,1 (C) 4,5,3,6,2,1 (D) 4,6,1,3,5,2
7. E H N T O R  
1 2 3 4 5 6  
(A) 2,5,3,4,1,6 (B) 2,5,6,3,1,4 (C) 4,2,5,6,3,1 (D) 4,2,6,5,3,1

Arrange the letters to make a meaningful word and indicate the last letter of the word.

8. (A) E (B) G (C) F (D) R (E) I
9. (A) W (B) N (C) L (D) O (E) C
10. (A) U (B) E (C) H (D) S (E) O

**WORD FORMATION USING LETTERS OF A GIVEN WORD :**

11. How many meaningful words can be formed using the first, the third, the fifth and the sixth letters of the word TRADEMARK using each letter only once in each word?  
(A) One (B) Two (C) Three (D) Four
12. How many meaningful words can be formed using the first, the third, the fifth and the sixth letters of the word TRADEMARK using each letter only once in each word?  
(A) One (B) Two (C) Three (D) Four

In each of the following questions, choose one word which can be formed from the letters of the given word.

13. EXAMINATION  
(A) GUITAR (B) AGMARK (C) GAME (D) MAGIC
14. MEASUREMENT  
(A) MASTER (B) MANTLE (C) SUMMIT (D) ASSURE
15. How many meaningful words can be formed using the first, the third, the seventh and the ninth letters of the word SEPARATON using each letter only one in each word?  
(A) One (B) Two (C) Three (D) Four

In each of the following questions, choose one word which cannot be formed from the letters of the given word

16. TRANSFORM  
(A) TRAIN (B) FORT (C) FOAM (D) RANSOM
17. AUTOGRAPHS  
(A) GREAT (B) PATHOS (C) GHAPH (D) TROUGH

# 7. Direction Sense

## LEVEL - 1

Choose the correct option :

- A man is facing south. He turns  $135^\circ$  in the anti clock wise direction and then  $180^\circ$  in the clock wise direction. Which direction is he facing now ?  
(A) North-East (B) North-West (C) South-East (D) South-West
- Kunal walks 10 km towards North. From there he walks 6 km towards south then, he walks 3 km towards east. How far and in which direction is he with reference to his starting point ?  
(A) 5 km West (B) 7 km West (C) 7 km East (D) 5 km North - East
- A man is facing north-west. He turns  $90^\circ$  in the clock wise direction and then  $135^\circ$  in the anti clock wise direction. Which direction is he facing now ?  
(A) East (B) West (C) North (D) South
- It is 3 'O' clock in a watch. If the minute hand points towards the north - east, then the hour hand will point towards the  
(A) South (B) South-West (C) North-West (D) South-East
- After walking 6 km I turned right and covered a distance of 2 km, then turned left and covered a distance of 10 km. In the end, I was moving towards North. From which direction did I start my journey ?  
(A) North (B) South (C) East (D) West
- P,Q, R and S are playing carom game. P, R and Q, S are partners. S is to the right of R who is facing west. Then Q is facing what direction ?  
(A) South (B) West (C) East (D) North
- From his house, Lokesh went 15 kms to the North. Then he turned west and covered 10 kms then he turned south and covered 5 kms. Finally, Turning to East, he covered 10 kms. In which direction is he from his house ?  
(A) East (B) West (C) North (D) South

## LEVEL - 2

Study the information given below carefully and answer the questions that follow:

A,B,C,D,E,F,G,H and I are nine houses, C is 2 km East of B. A is 1 km North of B and H is 2 km South of A. G is 1 km West of H while D is 3 km East of G and F is 2 km North of G. I is situated just in middle of B and C while E is just in middle of H and D.

- Distance between E and G is  
(A) 1 km (B) 1.5 km (C) 2 km (D) 5 km
- Distance between H and D is  
(A) 2 km (B) 3 km (C) 4 km (D) 6 km

10. Ram goes first 7 km north then turns left and moves 10 km, again he turns left and moves 7 km. How far is he from the starting point ?  
 (A) 7 km (B) 10 km (C) 17 km (D) 24 km
11. A man 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) East (B) West (C) North (D) South
12. A policeman left his police post and proceeded south 4 km on hearing a loud sound from point A. On reaching the place, he heard another sound and proceeded 4 km to his left to the point B. From B, he proceeded left to reach another place C, 4 km away, In which direction, he has to go to reach his police post ?  
 (A) North (B) South (C) South - East (D) West

**Each of the following questions is based on the following information:**

Six flats on a floor in two rows facing North and South are allotted to P,Q,R,S,T and U.

Q gets a North facing flat and is not next to S.

S and U get diagonally opposite flats.

R next to U, gets a south facing flat and T gets North facing flat.

13. Which of the following combination get south facing flats?  
 (A) QTS (B) UPT (C) URP (D) Data inadequate
14. The flats of which of the other pair than SU, is diagonally opposite to each other?  
 (A) QP (B) QR (C) PT (D) TS

**Direction : Choose the correct option:**

15. If you are facing north - east and move 10 m forward, turn left and move 7.5m, then you are  
 A) North of your initial position (B) South of your initial position  
 C) east of your initial position (D) 12 m from your initial position
16. You go North, turn right, then right again and then go to the left. In which direction are you now?  
 A) North (B) South (C) East (D) West
17. If A is to the south of B and C is to the East of B, in what direction is A with respect to C?  
 A) North - East (B) North - West (C) South - East (D) South - West
18. A watch reads 4.30. If minute hand points East, in what direction will the hour hand point?  
 A) North (B) North - West (C) South - East (D) North - East
19. If south - east becomes north, north - east becomes west and so on, what will west become?  
 A) North - East (B) North - West (C) South - East (D) South - West
20. A boy rode his bicycle north wards, then turned left and rode 1 km and again turned left and rode 2 km. He found himself exactly 1 km west of his starting point. How far did he ride northwards initially?  
 A) 1 km (B) 2 km (C) 3 km (D) 4 km
21. A man walks 1 km towards east and then he turns to south and walks 5 km. Again he turns to east and walks 2 km. after this he turns to North and walk 9 km. Now how far is he from his starting point?  
 A) 3 km (B) 4 km (C) 5 km (D) 7 km

# 8. Blood Relation

## LEVEL - 1

**Choose the correct answer:**

1. Pointing towards a person, a man said to a woman. His mother is the only daughter of your father. How is the woman related to that person ?  
(A) Daugher (B) Sister (C) Mother (D) Wife
2. P's father is Q's son. M is the paternal uncle of P and N is the brother of Q. How is n related to M ?  
(A) Brotyher (B) Nephew (C) Cousin (D) Pateranl uncle

**Read the following information and answer the questions given below it:**

- (i) A is the father of C. But C is not his son.
  - (ii) E is the daughter of C. F is the spouse of A.
  - (iii) B is the brother of C. D is the son of B.
  - (iv) G is the spouse of B. H is the father of G.
3. Who is the grandmother of D?  
(A) A (B) C (C) F (D) H
  4. C is A's father's nephew. D is A's cousin but not the brother of C. How is D related to C?  
(A) Father (B) Sister (C) Mother (D) Aunt
  5. Pointting to varman, Madhav said, I am the only son of one of the sons of his father. How is varman related to Madhav?  
(A) Nephew (B) Uncle (C) Father or Uncle (D) Father
  6. Arun said, this girl is the wife of the grandson of my mother. Who is Arun to the girl?  
(A) Father (B) Grand father (C) Husband (D) Father-in-law
  7. Pointing to a photograph, a lady tells Pramod, I am the only daughter of this lady and her son is your maternal uncle. How is the speaker related to Pramod's father?  
(A) Sister-in-law (B) Wife (C) Either (a) or (b) (D) Neithber (a) or (b)

## LEVEL - 2

## Choose the best option

8. If A+B means A is the mother of B; A-B means A is the brother B; A % B means A is the father of B and A x B means A is the sister of B, which of the following shows that P is the maternal uncle of Q ?  
 (A) Brother (B) Uncle (C) Cousin (D) Father
9. If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?  
 (A) Bother (B) Sister (C) Nephew (D) Cannot be determined
10. B5D means B is the father of D.  
 B9D means B is the sister of D.  
 B4D means B is the brother of D.  
 b3D means B is the wife of D.  
 Which of the following menas F is the mother of K ?  
 (A) F3M5K (B) F5M3K (C) F9M4N3K (D) F3M5N3K
11. A\$B means A is the father of B; A#B means A is the sister of B;A \* B means A is the daughter of B and A @ B means A is the brother of B. Which of the following indicates that M is the wife of Q ?  
 (A) Q\$R#T@M (B) \$R@T#M (C) Q\$R\*T#M (D) Q\$R@T\*M
12. M is the father of N who is the son of V. In order to know the relation of M to P which of the statement / statements is / are nnecessary ?  
 1) P is the brother of V.  $\beta$   
 2) The daughter of N is the granddaughter of V.  
 (A) Only 1 (B) Only 2 (C) Either 1 or 2 (D) Both 1 and 2

## Each of these questions is based on the following information:

M%N menas M is the son of N.

M @ N merans M is the sister of N.

M\$N means M is the father of N.

13. Which of the following means Q is the grandfather of P?  
 (A) P+N\*M\*Q (B) Q\*N\*M+P (C) Q M N\*P (D) None of these
14. A and B are children of D who is the father of A? To answer this question which of the statments (1) and (2) is necessary?  
 1) C is the brother of A and the son of E  
 2) F is the mother of B.  
 (A) Only 1 (B) Only 2 (C) Either 1 or 2 (D) Both 1 and 2
15. If P\$Q means P is the brother Q; P#Q means P is the mother of Q; P\*Q means P is the daughter of Q in A#B\$C\*D, who is the father?  
 (A) D (B) B (C) C (D) Data is inadequate

# 9. Puzzle Test

## LEVEL - 1

Read the following information carefully and answer the questions given below:

Ravi and Kunal are good in Hockey and Volleyball. Sachin and Ravi are good in Hockey and Baseball. Gaurav and Kunal are good in Cricket and Volleyball. Sachin, Gaurav and Michael are good in Football and Baseball.

- Who is good in Hockey, Cricket and Volleyball  
(A) Sachin                      (B) Kunal                      (C) Ravi                      (D) Gaurav
- Who is good in Baseball, Volleyball and Hockey?  
(A) Sachin                      (B) Kunal                      (C) Ravi                      (D) Gaurav

Read the following information carefully and answer the questions given below :

Nine cricket fans are watching a match in a stadium. Seated in one row, they are J,K,L,M,N,O,P, Q and R. Lis at the right of M and at third place at the right of N. K is at one end of the row. Q is seated adjacent to both O and P. O is at the third place at the left of K. J is right next to left of O.

- Who is at the centre of the row?  
(A) J                      (B) N                      (C) P                      (D) R
- Which of the following statements is true?  
(A) N is two seats away from J                      (B) M is at one extreme end  
(C) R and P are neighbours                      (D) There is one person between L and O

Read the following information carefully and answer the questions given below:

Six persons A,B,C,D,E and F are sitting around a round table facing towards the centre of the table in a restaurant. They have ordered for different items (Pizza, Strawberry, Vanilla, Burger, Pastries and Patties) as their lunch. They are wearing T-Shirts of different colours, i.e. white, black, green, red, yellow and blue. Order of their names.

- The persons who have ordered for pizza, vanilla and pastries are neither in white T-shirt nor in black
- The persons who are in green and yellow T-Shirts have neither ordered for pizza nor for vanilla.
- A is Neither in white T-shirt nor on the immediate left of the person who has ordered for burger.
- The only person who is between E and F eats Strawberry. The person who is on the left side of the person in white T-shirt does not eat Patties.
- D has ordered for Burger and the colour of his T-shirt is green. He is facing the person who has ordered for strawberry.
- One who has ordered for pizza is seated opposite to the person wearing blue T-shirt, while the person whose T-shirt is of green colour is on the left of the person who has ordered for pastries.
- One who has ordered for patties is on the immediate right of the person in white T-shirt but on the immediate left of the person who has ordered for vanilla.
- C has not ordered for vanilla while F has not ordered for pizza.

**Read the following information carefully and answer the questions given below:**

Seven children A,B,C,D,E and G are standing in a line. G is to the right of D and to the left of B. A is on the right of C. A and D have one child between them. E and B have two children between them. D and F have two children between them.

**Read the following information carefully and answer the questions given below:**

Six friends A,B,C,D,E and F are sitting in a row facing towards North. C is sitting between A and E. D is not at the end. B is sitting immediate right to E. F is not at the right end

5. Which of the following pairs is sitting to one side of D?  
 (A) FB                      (B) FC                      (C) FE  
 (D) Can not be determined                      (E) None of these
6. Who is immediate left of C?  
 (A) A                      (B) E                      (C) EITHER E or A  
 (D) Can not be determined                      (E) None of these
7. Who is at the right end?  
 (A) A                      (B) B                      (C) E  
 (D) Can not be determined                      (E) None of these

**Choose the best alternative:**

A blacksmith has five iron articles A,B,C,D and E each having a different weight

- i) A weighs twice as much as B.
  - ii) B weighs four and a half times as much as C.
  - iii) C weighs half as much as D.
  - iv) D weighs half as much as E.
  - v) E weighs less than A but more than C.
8. E is heavier than which of the following two articles?  
 (A) D,B                      (B) D,C                      (C) A,C                      (D) A,B                      (E) None
  9. Which of the following articles is the heaviest in weight?  
 (A) A,B,E,D,C                      (B) B,D,E,A,C                      (C) E,C,D,A,B  
 (D) C,A,D,B,E                      (E) A,B,D,E,C
  10. Which of the above given statements is not necessary to determine the correct order of articles according to their weights?  
 (A) (i)                      (B) (ii)                      (C) (iii)                      (D) (iv)                      (E) (v)

**Read the following information carefully and answer the questions given below it:**

There are six persons A,B,C,D,E and F in a school. Each of the teachers two subjects, one compulsory subject and the other optional subject. D's optional subject was History while three others have it as compulsory subject. E and F have Physics as one of their subjects. F's compulsory subject is Mathematics which is an optional subject of both C and E. History and English are A's subjects but in terms of compulsory and optional subjects, they are just reverse of those of D's Chemistry is an optional subject of only one of them. The only female teacher in the school has English as her compulsory subject.

11. Which of the following has same compulsory and optional subjects as those of F's?  
 (A) D (B) B (C) A (D) C (E) None
12. Disregarding which is the compulsory and which is the optional subject, who has the same tow subject combinations as F?  
 (A) A (B) B (C) E (D) D (E) None
13. Which of the following groups has History as the compulsory subject?  
 (A) A,C,D (B) B,C,D (C) A,B,C (D) A,B,C (E) A,D

**Study the following information carefully and answer the questions given below:**

- i) Eight persons A,B,C,D,E,F,G and H work in three different companies X,Y and Z.
- ii) There are two ladies who work in different companies and their specialization is also different.
- iii) Two of them have specialization in Finance, another two have specialization in Human Resources, two have specialization in Marketing, one id engineer and one of them is specialist in computer.
- iv) D is a speialist in Human Resource working in company X while her friend G is a Finance specialist and works in Company Z.
- v) H is human Resource specialist who works with marketing specialist B but does not work in company Y.
- vi) The two persons with same specialization do not work together.
- vii) Marketing specialist F works in Company Y and his friend A who id Finance specialist works in company X with only one other specialist.
- viii) In no company more than three persons work.
- ix) C is an engineer and his sister works in company Z
- x) No lady is an engineer or computer specialist.

**Read the following information carefully and answer the questions given below:**

- i) There is a grupu of five persons - A,B,C,D and E
- ii) One of them is a horticulturist, one is a physicist, one is a journalist, one is an industrialist and one is an advocate.
- iii) Three of them - A,C and advocate prefer tea to coffee and tow of them - B and the journalist prefer coffee to tea.
- iv) The industrialist and D and A are friends to one another but two of them prefer coffee to tea.
- v) The horticulturist is C's brother
14. Who is the horticulturist?  
 (A) A (B) B (C) C (D) D (E) E
15. Which of the following groups includes a person who likes tea but is not an advocate?  
 (A) ACD (B) DE (C) BCE (D) BD (E) None
16. Which of the statements given above is superfluous?  
 (A) (iii) (B) (iv) (C) (ii) (D) (v) (E) None

## LEVEL - 2

**Read the following information carefully and answer the questions given below:**

- i) X is older than L.
  - ii) M and N are of equal age
  - iii) Z is the youngest.
  - iv) Y is younger than N.
  - v) Y is older than X.
1. Which statement (s) indicates (s) that N is older than Z?  
 (A) (ii) and (iii)            (B) (iii) only            (C) (iii) and (iv)            (D) None
  2. Which statement (s) is/are not required to prove that L is younger than M?  
 (A) (iii) only            (B) (iii) and (iv)            (C) (iv) and (v)            (D) (iii) and (v)
  3. Which set of statements proves that X is younger than M?  
 (A) (i), (ii),(iv)            (B) (ii) , (iv), (v)            (C) (i),(iv),(v)            (D) None

**Study the following information carefully and answer the given questions:**

- i) B and E are good in Dramatics and Computer science
- ii) A and B are good in Computer science and Physics.
- iii) A,D,C are good in Physics and History
- iv) C and A are good in Physics and Mathematics
- v) C and A are good in History and Dramatics

**On the basis of the information provided below, answer these questions:**

Six people A,B,C,D,E and F are sitting on the ground in a hexagonal shape. All the sides of the hexagon so formed are of same length. A is not adjacent to B or C; D is not adjacent to C or E: and C are adjacent: F is in the middle of D and C.

4. Which of the following is not a correct neighbour pair?  
 (A) A and F            (B) D and F            (C) B and E            (D) C and F
5. Which of the following is in the right sequence?  
 (A) A,F,B            (B) F,A,E            (C) B,C,F            (D) D,A,B
6. Who is placed opposite to E?  
 (A) B            (B) C            (C) D            (D) F

**Read the following information carefully and answer the questions given below it:**

- i) There is a family of six members A,B,C,D,E and F.
- ii) There are two married couples in the family and the family members represent three generations.
- iii) Each member has a distinct choice of colour amongst green, yellow, black, red, white and pink.
- iv) No lady member likes either green or white
- v) C who likes black colour, is the daughter-in-law of E.
- vi) B is brother of F and son of D and likes pink.

- vii) A is grandmother of F and F does not like red.
- viii) The husband has a choice of green colour, his wife likes yellow.
7. Which of the following is the colour preference of A?  
 (A) Red (B) Yellow (C) Either Reddy or Yellow  
 (D) Cannot be determined (E) None of these
8. How many male members are there in the family?  
 (A) Two (B) Three (C) Four  
 (D) Cannot be determined (E) None of these
9. Which of the following is the colour combination of one of the couples?  
 (A) Red-Yellow (B) Yellow-Red (C) Green-Black  
 (D) Red-Black (E) None of these

**Directions: Read the following information and answer these questions on the basis of the information provided :**

- (i) There is a family of 5 persons - A, B, C, D and E
- (ii) They are working as a doctor, a teacher, a trader, a lawyer and a farmer.
- (iii) B, an unmarried teacher, is the daughter of A
- (iv) E, a lawyer, is the brother of C.
- (v) C is the husband of the only married couple in the family.
- (vi) A, a farmer, is a father of two sons and an unmarried daughter.
- (vii) Daughter-in-law of A is a doctor.
10. Who is the doctor in the family?  
 A) A B) B C) C D) D
11. Which of the following is a group of male members in the family?  
 A) A, B and C B) B and D C) A, C and E D) A, C and D
12. Which of the following is a group of male members in the family?  
 A) B and C B) B and D C) D and E D) A, C and E
13. Which of the following is the married couple?  
 A) AB B) AD C) BD D) CD
14. Who is the trader in the family?  
 A) A B) B C) C D) D

# 10. Arithmetic Reasoning

## LEVEL - 1

Choose the correct Answer:

1. A group of 1200 people consisting of captains and soldiers is traveling in a train. For every 15 soldiers, there is one captain. The no of captains in the group is [    ]  
(A) 85                      (B) 80                      (C) 75                      (D) 70
2. A fires 5 shots to B's 3 Shots, but A kills only once in 3 shots while 'B' kills once in 2 shots. When B has missed 27 times, A has killed.  
(A) 30                      (B) 60                      (C) 72                      (D) 70
3. A farmer built a fence around his square plot. He used 27 fence poles on each side of the square. How many poles did he need altogether?  
(A) 100                      (B) 104                      (C) 108                      (D) None of these
4. If every 2 out of 3 readymade shirts need alterations in the sleeves and every 3 out of 4 need it in collar and every 4 out of 5 need it in the body, how many alterations will be required for 60 shirts?  
(A) 25                      (B) 123                      (C) 133                      (D) 143
5. A man has certain number of small boxes to pack into parcels. If he packs 3,4,5 or 6 in a parcel, he is left with one over, if he packs 7 in a parcel, none of these is left over, what is the number of boxes he may have to pack?  
(A) 106                      (B) 301                      (C) 309                      (D) 400
6. The total number of digits used in numbering the pages of the book having 366 pages is?  
(A) 732                      (B) 990                      (C) 1098                      (D) 1305

## LEVEL - 2

Choose the correct answer:

1. A father is now three times as old as his son. Five years back, he was four times as old as his. The age of the son is  
(A) 12                      (B) 15                      (C) 18                      (D) 20
2. In a group of cows and hens, the number of legs are 14 more than twice the number of heads. The number of cows is  
(A) 5                      (B) 7                      (C) 10                      (D) 12
3. In the numbers from 100 to 1000, how many times digit 1 comes at the ten's place?  
(A) 9                      (B) 10                      (C) 90                      (D) 900

4. How many numbers from 11 to 50 are there which are exactly divisible by 7 but not by 3?  
(A) Two (B) Four (C) Six (D) Seven
5. In Paul's garden, there are 25 rows of vegetables. She has five more rows of peppers than tomatoes and two fewer rows of cucumbers than tomatoes. If  $y$  represents the number of rows of tomatoes in the garden, which number sentence can be used to find how many rows of each vegetable were planted?  
(A)  $y+(y+5)+(y+2)+y=25$  (B)  $(y+5)+y=25$   
(C)  $(y+5)+(y-2)=25$  (D)  $(y+5)+(y-2)+y=25$
6. Farmer Ramu put a square fence around his vegetable garden to keep the deer from eating his corn. One side was 10 m in length. If the posts were placed 2 m apart, how many posts did he use?  
(A) 16 (B) 20 (C) 10 (D) 15
7. A number of friends decided to go on a picnic and planned to spend Rs. 96 on eatables. Four of them, however, did not turn up. As a consequence, the remaining ones had to contribute Rs. 4 each extra. The number of those who attended the picnic was  
(A) 8 (B) 12 (C) 16 (D) 24

**Direction : Choose the correct answer:**

8. A father tells his son, "I was of your present age when you were born". If the father is 36 now, how old was the boy five years back?  
A) 13 (B) 15 (C) 17 (D) 20
9. The total age of Amar, Akbar and Anthony is 80 years. What was the total of their ages three years ago?  
A) 71 (B) 72 (C) 74 (D) 77
10. There are deer and peacocks in a zoo. By counting heads they are 80. Number of their legs is 200. How many peacocks are there?  
A) 20 (B) 30 (C) 50 (D) 60
11. How many numbers amongst the numbers 9 to 54 are there which are exactly divisible by 9 but not by 3?  
A) Two (B) Four (C) Six (D) Seven
12. I think of a number, add 10 to it and divide the answer by 2. Let the resulting number be  $\$$ . Starting with  $\$$ , how can I get my original number back?  
A) Multiply  $\$$  by 2 and then subtract 10 from the result  
B) Divide  $\$$  by 2 and then add 10 to the result  
C) Multiply  $\$$  by 2 and then add 10 to the result  
D) Add 2 to  $\$$  and then divide the resulting number by 10

# 11. Mathematical Operations

## LEVEL - 1

Choose the correct Answer:

- If  $\times$  means  $\div$ ,  $\div$  means  $\times$ ,  $+$  means  $-$ , and  $-$  means  $+$ , find the value of  $16 \times 3 + 5 - 2 \div 4$   
 (A) 9 (B) 10 (C) 19 (D) None of these
- If 'x' means ' $\div$ ', ' $\div$ ' means ' $\times$ ', ' $+$ ' means ' $\times$ ' and ' $\times$ ' means ' $\div$ ', then  $7 \times 8 - 8 + 40 \div 2 = ?$   
 (A) -31 (B) 31 (C) 44 (D) 44
- If 'x' stands for 'addition', '<' for 'subtraction', ' $\div$ ' for 'division', '>' for 'multiplication', '=' for 'equal to', '>' for 'greater than' and '<' for less than, then state which of the following is true?  
 (A)  $3 \times 4 > 2 - 9 + 3 < 3$  (B)  $5 \times 3 < 7 \times 8 + 4 \times 1$   
 (C)  $5 > 2 + 2 = 10 < 4 \times 8$  (D)  $3 \times 2 < 4 \times 16 > 2 + 4$
- If  $\times$  implies  $=$ ,  $\div$  implies  $<$ ,  $+$  implies  $>$ ,  $-$  implies  $\times$ ,  $>$  implies  $\div$ ,  $<$  implies  $+$ ,  $=$  implies  $-$ , identify the correct expression  
 (A)  $1 - 3 > 2 + 1 - 5 = 3 - 1 < 2$  (B)  $1 - 3 > 2 + 1 \times 5 = 3 \times 1 > 2$   
 (C)  $1 \times 3 > 2 + 1 \times 5 = 3 \times 1 > 2$  (D)  $1 - 3 > 2 + 1 \times 5 + 3 - 1 > 2$
- If  $\times$  means  $+$ ,  $+$  means  $\times$ ,  $-$  means  $\times$  and  $\div$  means  $-$ , then  $8 \times 7 + 40 \div 2 = ?$   
 $8 \times 7 + 40 \div 2 = 56 + 20 = 76$   
 (A) 1 (B) 76 (C) 5 (D) 44
- If P denotes multiplied by T denotes subtracted from M denotes added to and B denotes divided by then  $28 B 7 P 8 T 6 M 4 = ?$   
 $28 \div 7 + 8 \times 6 - 4 = 4 + 48 - 4 = 48$   
 (A) 48 (B) 30 (C) 32 (D) 34
- If  $-$  means  $\times$ ,  $+$  means  $\div$ ,  $\times$  means  $-$ ,  $\div$  means  $+$ , then which of the following questions is correct ?  
 (A)  $52 \div 4 + 5 \times 8 - 2 = 36$  (B)  $43 \times 7 \div 5 + 4 - 8 = 25$   
 (C)  $1 \times 3 > 2 + 1 \times 5 \times 3 - 1 > 2$  (D)  $1 - 3 > 2 + 1 \times 5 + 3 - 1 > 2$
- (A) 15 B 5 G 8 B 4 G 6 F 3 (B) 15 C 5 B 8 F 4 B 6 C 3  
 (C) 15 A 5 E 8 C 4 B 6 E 3 (D) 15 C 5 F 8 C 4 B 6 C 3
- If 'when' means ' $\times$ ', 'you' means ' $\div$ ', 'come' mean ' $-$ ' and 'will' means ' $+$ ' then what will be the value of "8 when 12 will 16 you 2 come 10"?  
 $8 \times 12 - 16 \div 2 + 10 = 96 - 8 + 10 = 98$   
 A) 45 (B) 94 (C) 96 (D) 112
- If ' $+$ ' means ' $\div$ ', ' $\div$ ' means ' $-$ ', ' $-$ ' means ' $\times$ ' and ' $\times$ ' means ' $+$ ', then  
 $10 \div 2 - 3 \times 4 = 5 - 12 = -7$   
 A) -2 (B) 2 (C) 4 (D) 8
- If '\$' means ' $+$ ', '#' mean  $\times$ , '@' means ' $\div$ ' and '\*' means ' $-$ ', then what is the value of  $16 \$ 4 @ 5 \# 72 * 8$ ?  
 $16 + 4 \div 5 \times 72 - 8 = 16 + 8 \times 72 - 8 = 16 + 576 - 8 = 584$   
 A) 25 (B) 27 (C) 29 (D) 36

12. If + means  $\times$ ,  $\times$  means  $\div$ ,  $\div$  means + and  $\div$  means  $\times$ , then  
 A) 5                                      B) 22                                      C) 48                                      D) 52

If  $>$  denotes  $\times$ ,  $<$  denotes  $\div$ ,  $+$  denotes  $\times$ ,  $\times$  denotes  $\div$ ,  $\div$  denotes  $+$  and  $=$  denotes  $<$ , choose the correct statement in each of the following questions.

**Choose the best alternative**

In the following questions,  $=$  stands for equal to,  $>$  for greater than,  $<$  for less than and  $\neq$  for not equal to

13. If  $6x = 5y$  and  $2y = 3z$ , then  
 (A)  $2x = 3z$                               (B)  $4x = 3z$                               (C)  $2x = z$                               (D)  $4x = 3z$
14. If  $ax = by$ ,  $bx = cz$  and  $b^2 = ac$ , then  
 (A)  $a = cz$                               (B)  $ay = cz$                               (C)  $y = z$                               (D)  $y = z$
15. If  $bcy = ax$ ,  $cy = bz$  and  $a^2 = bc$ , then  
 (A)  $cx = abz$                               (B)  $cx = abz$                               (C)  $ax = abz$                               (D)  $c^2x = a^2z$

**Direction : In the following questions, different letters stand for various symbols as indicated below.**

- R: addition                              X: Less than                              T: Multiplication                              U: Division  
 S: Subtraction                              W: Greater than                              V: Equal to

$(3 - 15 \div 19) \times 8 + 6 = ?$

Out of the four alternatives given in these questions, only one is correct according to the above letter symbols. Identify the correct answer.

16. A) 16T2R4U6X8                              B) 16R2S4V6R8                              C) 16T2U4V6R8                              D) 16U2R4S6W8
17. A) 20U4R4X2T3                              B) 20S4U4V2T3                              C) 20T4U4U2X3                              D) 20R4U4S2W3
18. A) 15U5R3V2T3                              B) 15U5W3R2T3                              C) 15S5T3W2R3                              D) 15R5U3V2R3
19. A) 24U3R2S2W8                              B) 24S3X2T2U8                              C) 24R3S2XT8                              D) 24U3T2V2T8
20. A) 30R6U2W4T3                              B) 30S6S2X4T3                              C) 30S6U2U4V3                              D) 30U6R2W4T3

**Direction : In each of the following questions if the interchanges are made in signs and numbers, which one of the four equations would be correct?**

21. Given interchanges: Signs  $\times$  and  $+$  and numbers 6 and 3  
 A)  $3 + 6 \times 2 = 5$                               B)  $6 \times 3 + 2 = 8$                               C)  $3 + 6 \times 5 = 7$                               D)  $3 \times 6 + 1 = 6$
22. Given interchanges: signs  $-$  and  $+$  and numbers 8 and 4  
 A)  $4 + 8 - 1 = 5$                               B)  $4 - 8 + 5 = 9$                               C)  $4 + 8 - 5 = 10$                               D)  $4 - 8 + 12 = 1$

# 12. Seating arrangement

## Number sequence and Ranking

### LEVEL - 1

**Choose the correct Answer:**

**Study the following information carefully and answer the questions that study the following information carefully and answer the questions that follow**

- i) A,B,C,D,E,F and G are sitting on a wall and all of them are facing east.  
 ii) C is on the immediate right of D.  
 iii) B is at an extreme end and has E as his neighbour.  
 iv) G is between E and F.  
 v) D is sitting third from the south end.
1. Who is sitting to the right of E?  
 (A) A (B) C (C) D (D) G
2. Name the person who should change place with C such that he gets the third place from the north end  
 (A) E (B) F (C) G (D) D
3. Which of the conditions 1 to 5 given above is not required to find out the place in which A is sitting?  
 (A) 1 (B) 2 (C) 3 (D) All are required

**Study the given information carefully and answer the questions that follow:**

- i) Six friends P,Q,R,S,T and U are members of a club and play a different game of Football, Cricket, Tennis, Basketball, Badminton and Volleyball.  
 ii) T Who is taller than P and S plays Tennis.  
 iii) The tallest among them plays Basketball.  
 iv) The shortest among them plays Volleyball.  
 v) Q and S neither play Volleyball nor Basketball.  
 vi) R plays volleyball.  
 vii) T is between Q who plays Football and P in order of height.
4. Who among them is taller than R but shorter than P?  
 (A) Q (B) S (C) T (D) U
5. Who among them plays Basketball  
 (A) Q (B) R (C) S (D) U
6. What does S play?  
 (A) Cricket (B) Badminton  
 (C) Football (D) Either Cricket or Badminton

**Choose the correct answer:**

7. How many 6s are there in the following number series, each of which is immediately preceded by 1 or 5 and immediately followed by 3 or 9?  
 7 4 2 7 6 4 3 6 7 5 3 5 7 8 4 3 7 6 7 2 4 0 6 7 4 3
- (A) Nil (B) One (C) Two (D) Three (E) None of these

8. In the series given below, count the number of 9s, each of which is not immediately preceded by 5 but is immediately followed by either 2 or 3. How many such 9s are there?  
1 9 2 6 5 9 3 8 3 9 3 2 5 9 2 9 3 4 8 2 6 9 8  
(A) One (B) Three (C) Five (D) Six
9. How many 3s are there in the following sequence which are neither preceded by 6 nor immediately followed by 9?  
9 3 6 6 3 9 5 9 3 7 8 9 1 6 3 9 6 3 9  
(A) One (B) Two (C) Three (D) Four (E) None
10. How many 7s are there in the following series which are preceded by 6 which is not preceded by 8?  
8 7 6 7 8 6 7 5 6 7 9 7 6 1 6 7 7 6 8 8 6 9 7 6 8 7  
(A) Nil (B) One (C) Two (D) Three (E) None

**Study the sequence and answer the questions****5 1 4 7 3 9 8 5 7 2 6 3 1 5 8 6 3 8 5 2 2 4 3 4 9 6**

11. How many even numbers are there in the sequence which are immediately preceded an odd number but immediately followed by an even number?  
(A) 1 (B) 2 (C) 3 (D) 4
12. A, B, C, D, E and F not necessarily in that order are sitting on six chairs regularly placed around a round table. It is observed that A is between D and F, C is opposite D, D and E are not on neighboring chairs. The person sitting opposite B is  
(A) A (B) D (C) E (D) F

**Choose the correct answer:**

13. A class of boys stands in a single line. One boy is nineteenth in order from both the ends. How many boys are there in the class?  
(A) 27 (B) 37 (C) 38 (D) 39
14. Nitin ranks eighteenth in a class of 49 students. What is his rank from the last?  
(A) 18 (B) 19 (C) 31 (D) 32
15. Ravi is 7 ranks ahead of Sumit in a class of 39. If Sumit's rank is seventeenth from the last, what is Ravi's rank from the start?  
(A) 14th (B) 15th (C) 16th (D) 17th

**LEVEL - 2****NUMBER SEQUENCE****Choose the correct answer**

1. How many 7s immediately preceded by 6 but not immediately followed by 4 are there in the following series?  
7 4 2 7 6 4 3 6 7 5 3 5 7 8 4 3 7 6 7 2 4 0 6 7 4 3  
(A) One (B) Two (C) Four (D) Six
2. Count each 1 in the following sequence of numbers that is immediately followed by 2, if 2 is not immediately followed by 3. How many such 1s are there?  
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) 9

**Study the sequence and answer the questions****5 1 4 7 3 9 8 5 7 2 6 3 1 5 8 6 3 8 5 2 2 4 3 4 9 6**

3. How many odd numbers are here in the sequence each of which is immediately followed by an odd number? (A) 1 (B) 2 (C) 3 (D) More than 4
4. How many odd numbers are there in the sequence which are immediately preceded and also immediately followed by an even number? (A) 1 (B) 2 (C) 3 (D) 4

**Choose the correct answer:**

5. A monkey climbs 30 feet at the beginning of each hour and rests for a while when he slips back 20 feet before he again starts climbing in the beginning of the next hour. If he begins his ascent at 8:00 am., at what time will he first touch a flag at 120 feet from the ground? (A) 4 pm (B) 5 pm (C) 6 pm (D) None of these
6. If the third day of a month is monday, which of the following will be the fifth day from 21st of the month? (A) Monday (B) Tuesday (C) Wednesday (D) Thursday (E) None of these
7. 1-12-91 is the first Sunday. Which is the fourth Tuesday of December 91? (A) 17.12.91 (B) 24.12.91 (C) 26.12.91 (D) 31.12.91

**Choose the correct answer**

8. Ajay ranked sixteenth from the top and twenty-ninth from the bottom among those who passed an examination. Six boys did not participate in the competition and five failed in it. How many boys were there in the class? (A) 40 (B) 44 (C) 50 (D) 55 (E) 58
9. In a row of boys, jeevan is seventh from the start and eleventh from the end. In another row of boys, Vikas is tenth from the start and twelfth from the end. How many boys are there in both the rows together? (A) 36 (B) 37 (C) 39 (D) Can not be determined (E) None of these
10. Rohit is seventeenth from the left end of a row of 29 boys and karan is seventeenth from the right end in the same row. How many boys are there between them in the row? (A) 3 (B) 5 (C) 6 (D) Data inadequate
11. Ravi is 7 ranks ahead of sumit in a class of 39. If sumit's rank is seventeenth from the last, what is Ravi's rank from the start? (A) 14th (B) 15th (C) 16th (D) 17th
12. Rajan is sixth from the left end and vinay is tenth from the right end in a row of boys. If there are eight boys between Rajan and Vinay, how many boys are there in the row? (A) 23 (B) 24 (C) 25 (D) 26 (E) None of these

# 13. Logic Statements of Conclusions

## LEVEL - 1

In each question below are given two statement followed by two conclusion numbered I and II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusion and then decide which of the given conclusion logically follows from the two given statements, disregarding commonly known facts.

**Given answer:**

- i) If only conclusion I follows.  
 ii) If only conclusion II follows.  
 iii) If either conclusion I or II follows.  
 iv) If neither conclusion I nor II follows.  
 v) If both conclusions I and II follows.
1. Statements: All jungles are tigers.  
Some tigers are horses.  
Conclusion: I. Some horses are jungles.  
II. No horse is jungle
  2. Statements: All fish are tortoise.  
No tortoise is a crocodile.  
Conclusions: I. No crocodile is a fish  
II. No fish is a crocodile
  3. Statement: All flowers are trees.  
No fruit is tree  
Conclusions: I. No. frit is flower  
II. Some trees are flowers
  4. Statements: No gentleman is poor  
All gentlemen are rich  
Conclusions: I. No poor man is rich  
II. No. rich man is poor
  5. Statements: All boys are honest.  
Sachin is honest  
Conclusions: I. Sachin is a boy  
II. All honest persons are boys

# 14. Clocks

## Choose the correct answer

- At 3.40 the hour hand and the minute hand of a clock form an angle of  
 (A)  $120^\circ$  (B)  $125^\circ$  (C)  $130^\circ$  (D)  $135^\circ$
- The angle between the minute hand and the hour hand of a clock when the time is 4.20 is  
 (A)  $0^\circ$  (B)  $10^\circ$  (C)  $5^\circ$  (D)  $20^\circ$
- The reflex angle between the hands of clock at 10.25 is  
 (A)  $180^\circ$  (B)  $192\frac{1}{2}^\circ$  (C)  $195^\circ$  (D)  $197\frac{1}{2}^\circ$
- How many times in a day are the hands of a clock in straight line but opposite in direction?  
 (A) 20 (B) 22 (C) 24 (D) 48
- At what time, in minutes between 3 o'clock and 4 o'clock both the needle will coincide each other?  
 (A) (B) (C) (D)
- At what time between 7 and 8 o'clock will the hands of a clock be in the straight line but not together?  
 (A) 5 min. past 7 (B) ~~10 min past 7~~ <sup>11</sup> (C) ~~58 min past 7~~ <sup>11</sup> (D)
- Find the angle between the hour hand and the minute hand of a clock when the time is 3:25  
 (A)  $47^\circ$  (B)  $1/2^\circ$  (C)  $47\frac{1}{2}^\circ$  (D) None of these
- At what time between 4 and 5 o'clock will the hands of a clock be at right angle?  
 (A) (B) (C) 5 min. past 4 (D) None of these
- An accurate clock shows 8'0 clock in the morning. Through how many degrees will the hour hand rotate when the clock shows 2'0 clock in the afternoon?  
 A)  $144^\circ$  B)  $150^\circ$  C)  $168^\circ$  D)  $180^\circ$
- The angle between the minute hand and the hour hand of a clock when the time is 8.30 is  
 A)  $80^\circ$  B)  $75^\circ$  C)  $60^\circ$  D)  $105^\circ$
- At what angle the hands of a clock are inclined at 15 minutes past 5?  
 A)  $58\frac{1}{2}^\circ$  A)  $64\frac{1}{2}^\circ$  A)  $67\frac{1}{2}^\circ$  A)  $72\frac{1}{2}^\circ$
- How many times do the hands of a clock coincide in a day?  
 A) 20 B) 21 C) 22 D) 24

# 15. Calender

## Choose the correct answer

- On 8th December 2007 Saturday falls. What day of the week was it on 8th December 2006?  
(A) Sunday (B) Thursday (C) Tuesday (D) Friday
- On 6th March 2005 Monday falls. What was the day of the week on 6th March 2004?  
(A) Sunday (B) Saturday (C) Tuesday (D) Wednesday
- What was the day of the week on 17th June 1998?  
(A) Monday (B) Tuesday (C) Wednesday (D) Thursday
- What will be the day of the week on 15th August 2010?  
(A) Sunday (B) Monday (C) Tuesday (D) Friday
- How many days are there in  $x$  weeks  $x$  day?  
(A)  $7x^2$  (B)  $8x$  (C)  $14x$  (D) 7
- What day of the week was 2nd November 1981?  
(A) Monday (B) Tuesday (C) Wednesday (D) Thursday
- What was the day of the week on 4th June 2002?  
(A) Tuesday (B) Monday (C) Wednesday (D) Sunday
- January 1, 2007 was Monday. What day of the week lies on January 1, 2008?  
A) Monday B) Tuesday C) Wednesday D) Sunday
- January 1, 2008 is Tuesday. What day of the week lies on January 1, 2009  
A) Monday B) Wednesday C) Thursday D) Sunday
- The calendar for the year 2007 will be the same for the year  
A) 2014 B) 2016 C) 2017 D) 2018
- On what dates of April, 2001 did Wednesday fall?  
A) 1<sup>st</sup>, 8<sup>th</sup>, 15<sup>th</sup>, 22<sup>nd</sup>, 29<sup>th</sup> B) 2<sup>nd</sup>, 9<sup>th</sup>, 16<sup>th</sup>, 23<sup>rd</sup>, 30<sup>th</sup>  
C) 3<sup>rd</sup>, 10<sup>th</sup>, 17<sup>th</sup>, 24<sup>th</sup> D) 4<sup>th</sup>, 11<sup>th</sup>, 18<sup>th</sup>, 25<sup>th</sup>
- Today is Monday. After 61 days, it will be  
A) Wednesday B) Saturday C) Tuesday D) Thursday

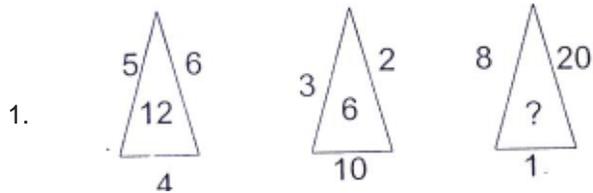
# 16. Data Sufficiency

- i) Choose A, if only statemt - I is sufficient to answer the question  
ii) Choose B, if only statemt - II is sufficient to answer the question  
iii) Choose C, if either of the statemt is required to the answer the question  
iv) Choose D, if both statements are not sufficient ot answer the question  
v) Choose E, if both the statements are required to answer the question
1. What is the code for water in a certain code  
i) The code for give me water is 719  
ii) The code for you can bring water for me is written as 574186
2. How is M related to N?  
i) P who has only two kids, M and N is the mother-in-law of Q who is sister-in-law of N  
ii) R, the sister-in-law of M is the daughter-in law of S, who has only tow kids, M and N
3. How is T realated to K ?  
i) K has two sons one of the sons is A  
ii) The mother of T has only tow sons - A and B
4. M,D,T andW are sitting around a circle facing at the centre. Who is to the immediate left of D ?  
i) M is between T and W and D is to the immediate left of T  
ii) D is cecond to the left of M
5. When is Manohars birthday this year?  
i) It is between January 13 and 15, January 13 being Wednesday  
ii) It is not on Friday
6. What will be the total weight of 10 poles, each of the same weight?  
i) One-fourth of the weight of each pole is 5kg  
ii) The total weight of thee pole is 20 kilograms more than the total weight fo two poles
7. How many sons does X have ?  
i) Q and U are brothers of T.  
ii) R is sister of P and U.  
iii) R and T are daughters of X  
(A) Only i and ii            (B) Only ii and iii            (C) All i,ii and iii  
(D) i,ii and iii together are not sufficient            (E) None of these

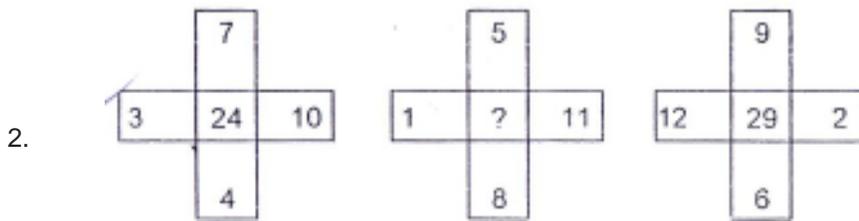
# 17. Inserting The Missing Character

## LEVEL - 1

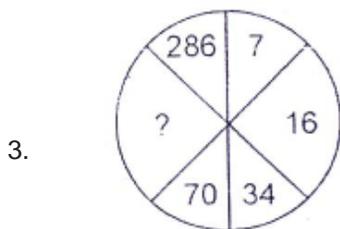
For the following questions find the missing terms in the diagrams



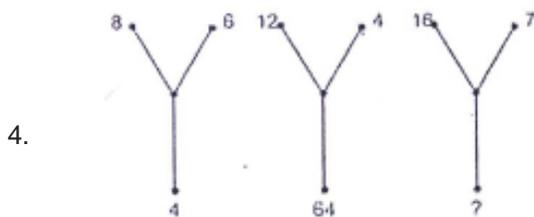
- (A) 16                      (B) 32                      (C) 64                      (D) 8



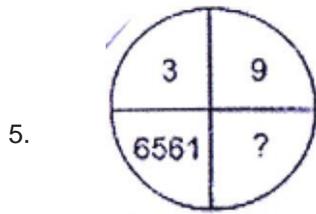
- (A) 58                      (B) 25                      (C) 47                      (D) 29



- (A) 140                      (B) 141                      (C) 142                      (D) 180



- (A) 112                      (B) 81                      (C) 19                      (D) 24

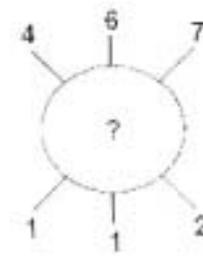
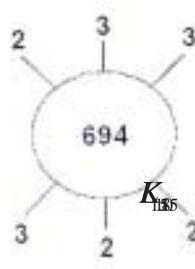
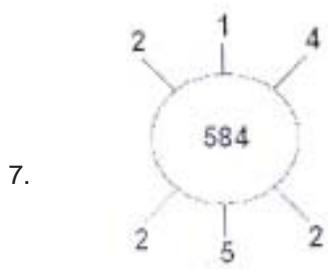


- (A) 27                      (B) 84                      (C) 81                      (D) 243

6. 

CK	16	9	JR
OS	24	19	TK
KM	?	?	PV

- (A) 14,21                      (B) 21,14                      (C) 56,84                      (D) 84,5

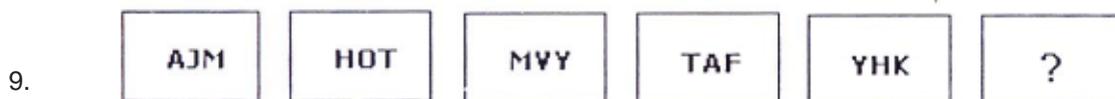


- (A) 937                      (B) 824                      (C) 769                      (D) 678

8. 

A <sub>2</sub>	C <sub>4</sub>	E <sub>6</sub>
G <sub>3</sub>	I <sub>5</sub>	?
M <sub>5</sub>	O <sub>9</sub>	Q <sub>14</sub>

- (A)                      (B)                      (C)                      (D)



- (A) FMR                      (B) MOT                      (C) NOT                      (D) MFR

LEVEL - 2

Find the missing term

1.

2	4	0
1	2	4
3	1	3
36	?	91

- (A) 25 (B) 59 (C) 48 (D) 73

2.

5			
32	?	44	7
6			

- (A) 33 (B) 38 (C) 32 (D) 37

3.

4	5	3	2	0
7	3	4	4	21
6	4	4	5	22
9	6	5	5	?

- (A) 34 (B) 42 (C) 44 (D) 45

4.

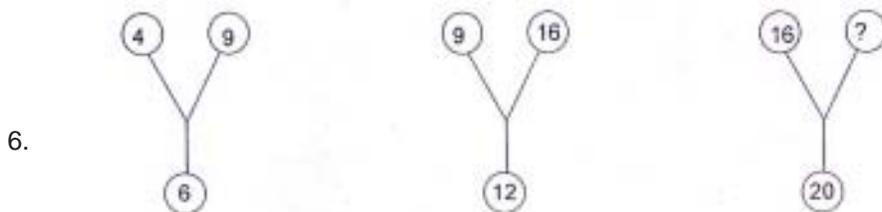
Z	?	S
R	O	?
?	G	C

- (A) WJK (B) KWT (C) WKJ (D) JKW

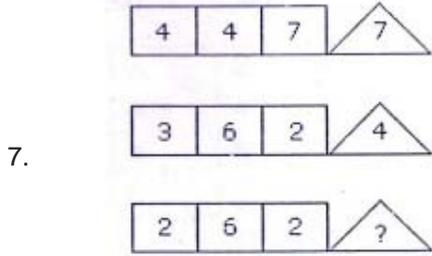
5.

BD3	CE5	DF15
EG2	FH4	GI8
HJ4	IC6	?

- (A) JL24 (B) IJ18 (C) JK18 (D) JL12



- (A) 60 (B) 50 (C) 25 (D) 21



- (A) 2 (B) 4 (C) 6 (D) 8

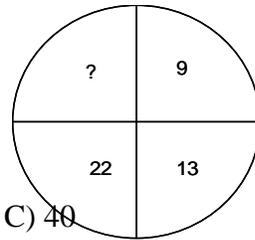
8.

11	13	16
5	4	3
4	5	?
59	37	56

- (A) 6 (B) 4 (C) 8 (D) 7

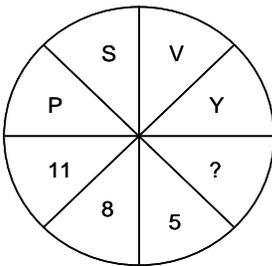
**Direction : Find the Missing Term :**

9.



- A) 40 B) 38 C) 40 D) 39

10.



- A) 3 B) 2 C) 7 D) 6

11.

7	9	21	27
4	2	36	18
9	4	54	?

- A) 18 B) 24 C) 36 D) 58

# 18. Logical Sequence of Words

Arrange the given words in a meaningful sequence and choose the best alternatives

1. i) College                      ii) Child                      iii) Salary  
iv) School                      v) Employment  
(A) 1,2,4,3,5                      (B) 2,4,1,5,3                      (C) 4,1,3,5,2                      (D) 5,3,2,1,4
2. i) Study                      ii) Job                      iii) Examination                      iv) Earn                      v) 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
3. i) Hecto                      ii) Centi                      iii) Deca                      iv) Kilo                      v) Deci  
(A) 1,3,4,5,2                      (B) 1,5,3,4,2                      (C) 2,5,3,1,4                      (D) 5,2,1,4,3
4. Arrange the following items from general to particular.  
i) Animal                      ii) feline                      iii) Leopard  
iv) Mammal                      v) Vertebrate                      vi) Cat  
(A) 1,2,3,4,5,6                      (B) 1,3,5,4,2,6                      (C) 1,4,3,2,5,6                      (D) 1,5,4,2,3,6
5. i) Frog                      ii) Eagle                      iii) Grasshopper                      iv) Snake                      v) Grass  
(A) 1,3,5,2,4                      (B) 3,4,2,5,1                      (C) 5,3,1,4,2                      (D) 5,3,4,2,1
6. i) Gold                      ii) Iron                      iii) Sand                      iv) Platinum                      v) Diamond  
(A) 2,4,3,5,1                      (B) 3,2,1,5,4                      (C) 4,5,1,3,2                      (D) 5,4,3,2,1
7. i) Euphoria                      ii) Happiness                      iii) Ambivalence                      iv) Ecstasy                      v) Pleasure  
(A) 1,4,2,5,3                      (B) 2,1,3,4,5                      (C) 3,2,5,1,4                      (D) 4,1,3,2,5
8. 1. Income                      2. Status                      3. Education                      4. Well-being 5. Job  
(A) 1,2,5,3,4                      (B) 1,3,2,5,4                      (C) 3,1,5,2,4                      (D) 3,5,1,2,4
9. Arrange in a logical order :  
1. Shoulder                      2. Wrist                      3. Elbow                      4. Palm                      5. Finger  
(A) 2,4,5,3,1                      2) 3,1,4,2,5                      3) 3,4,5,2,1                      4) 5,4,2,3,1
10. 1. Birth                      2. Death                      3. Funeral  
4. Marriage                      5. Education  
(A) 1,3,4,5,2                      2) 1,5,4,2,3                      3) 2,3,4,5,1                      4) 4,5,3,1,2

# 19. Alpha - Numeric Sequence Puzzle

These question are based on the following arrangement of symbols, letters and numbers:

(C)

- Four of the following five are alike in a certain way based on the position of the elements in the above arrangement and hence form a group. Which one does not belong to the group?  
 (A) \* ÷ 8D6                      (B) YM@E3                      (C) @Y3ML                      (D) H47D
- How many such symbols are there in the above arrangement each of which is either immediately followed by a number or immediately preceded by a letter?  
 (A) One                      (B) Two                      (C) Three                      (D) Four
- In the above arrangement 2RJL:B=\$5 and YE6\*: 3@M in the same way as "? : 8 D4"  
 (A)                      (B)                      (C)                      (D)
- How many such numbers are there in the arrangement each of which is immediately preceded by a symbol but not immediately followed by a letter?  
 A) Nil                      B) One                      C) Two                      D) Three
- How many such letters are there in the arrangement each of which is immediately followed by a number but not immediately preceded by a symbol.  
 A) Nil                      B) One                      C) Two                      D) Three

# 20. Situation Reaction Test

## Choose the correct answer

1. You
  - (A) Can work hard in day time but not in the night
  - (B) Do not mind working extra hours if the situation demands so
  - (C) Are an early riser and go to bed early
  - (D) Feel sleepy if you have to work late night
2. Your boss has very piercing eyes and spies on your performance all the time. You will
  - (A) Ignore the uncomfortable glances as it is his job
  - (B) Subtly convey it to the boss
  - (C) Tell your seniors clearly that such supervision affects your performance
  - (D) Just do your work
3. You have made some silly mistakes which have been pointed out to you. You will
  - (A) Laugh it away
  - (B) Get angry
  - (C) Feel miserable
  - (D) Feel thankful
4. In the modern world integrity has no value. This is true
  - (A) Always
  - (B) In majority of the cases
  - (C) Not always but at times
  - (D) Punctual
5. You are passing by a river and you know swimming. Suddenly you hear the cry of a drowning child. You would
  - (A) Dive into the river to save him
  - (B) Wait to see if some other person is there to help
  - (C) Look for professional divers
  - (D) Console the child's parents
6. The previous day of your interview, your friend comes and tells you that the expert for the interview is a very tough person. You
  - A) stop preparation
  - B) are consoled that you applied for other post also
  - C) pray that only simple questions are asked
  - D) are not bothered, as you have prepared well
7. "No risk no gain". You
  - A) feel that risk means no gain
  - B) believe that this slogan is correct
  - C) feel it is foolish to accept unnecessary risk
  - D) feel that may be taken only after judging the situation thoroughly
8. Which is the best quality in a man?
  - A) ability to please others
  - B) ability to work hard
  - C) sincerity
  - D) talk politely
9. Friendship to you is
  - A) a conditional relationship
  - B) an emotional language
  - C) a burden
  - D) an understanding between two or more people
10. In public dealing jobs, one must be
  - A) a good listener
  - B) quick at taking decisions
  - C) polite and humble
  - D) punctual

# 21. Verification of Truth of the Statement

## Choose the correct answer

1. An oasis always has  
(A) Travellers (B) Water (C) Sand (D) Camels
2. A bulb always has  
(A) Filament (B) Light (C) Glass (D) Current
3. A pen always has  
(A) Tube (B) Ink (C) Holder (D) Cap
4. Cricket always has  
(A) Stumps (B) Bat (C) Pitch (D) Pads
5. A jail always has  
(A) bars (B) jailor (C) lawyer (D) locks
6. A camera always has  
(A) lens (B) reels (C) flash (D) stand
7. A hospital always has  
(A) nurse (B) room (C) telephone (D) doctor
8. A scenery always has  
(A) paints (B) mountains (C) rivers (D) composition
9. A school always has  
(A) principal (B) building (C) library (D) teacher
10. A pen always has  
(A) tube (B) ink (C) holder (D) cap
11. A cupboard always has  
(A) clothes (B) door (C) shelf (D) bolt