Directions (1-5): Study the following information carefully and answer the question given below.

Eight boxes are placed one above the another. Only one box is placed between box E and C. Box H is placed below box G. Only two boxes are placed between box C and G. Box G is placed below box C. Only two boxes are placed between box F and E. Three boxes are placed between D and B, both D and B are placed above box E. Not more than one box is placed between box D and box A.

Boxes
D
A
F
C
B
E
G
H

Q1. How many boxes are there between box E and box D?
a) None
b) One
c) Two
d) Three
e) More than three

Q2. Which of the following box is placed immediately above box B?
a) H
b) F
c) C
d) E
e) None of these

Q3. Which of the following box is placed at the bottommost position?
a) H
b) F
c) C
d) E

e) None of these

Q4. Which of the following box is placed immediately below box A?
a) H
b) F
c) C
d) E
e) None of these

Q5. How many boxes are there between box H and box C?
a) None
b) One
c) Two
d) Three
e) More than three

Directions (6-9): In these questions, relationship between different elements is shown in the statements. The statements are followed by conclusions. Give answer
a) If only conclusion I is true
b) If only conclusion II is true
c) If either conclusion I or II is true
d) If neither conclusion I nor II is true
e) If both conclusions I and II are true

Q6. Statements:
$B > R \geq T = H > W \leq S$
Conclusions:
I. $H < B$
II. $S \geq T$
a) If only conclusion I is true
b) If only conclusion II is true
c) If either conclusion I or II is true
d) If neither conclusion I nor II is true
e) If both conclusions I and II are true

Q7. Statements:
$Y = D \geq H \geq S = C \leq V \leq B$
Conclusions:
I. $S < D$

II. S = D
a) If only conclusion I is true
b) If only conclusion II is true
c) If either conclusion I or II is true
d) If neither conclusion I nor II is true
e) If both conclusions I and II are true

Q8. Statements:
J > I ≥ G > F ≤ N < V
Conclusions:
I. J > N
II. V > F
a) If only conclusion I is true
b) If only conclusion II is true
c) If either conclusion I or II is true
d) If neither conclusion I nor II is true
e) If both conclusions I and II are true

Q9. Statements:
M < H ≤ D < E > R ≤ Y
Conclusions:
I. E > H
II. M < D
a) If only conclusion I is true
b) If only conclusion II is true
c) If either conclusion I or II is true
d) If neither conclusion I nor II is true
e) If both conclusions I and II are true

Directions (10-14): Study the following information carefully and answer the question given below
Six athletics are arranged according to their weight in the ascending order from right to left. Y is not the heaviest among all. U is heavier than Z and W. Z is heavier than V and X but not heavier than Y. V and W are not the lightest among all. U is not just heavier than Z. Y is heavier than W, who is not the 3rd heaviest among all. Weight of the 2nd lightest person is 19kg. Total weight of V and W is 46kg. 2nd heaviest person is twice heavy to the one who is 2nd lightest. W is just lighter than Z. Total weight of all the persons are 150kg.

$$U > Y > Z > W > V > X$$
$$\quad 38 \qquad\qquad 27 \quad 19$$

Q10. What may be the possible weight of Z?
a) 30kg
b) 39kg
c) 24kg
d) 26kg
e) None of these

Q11. The number of persons is heavier than Z is the same as the number of persons lighter than ___?
a) U
b) W
c) X
d) V
e) None of these

Q12. If X is 10kg lighter than V and Z is 5kg heavier than W then what is the weight of U?
a) 25kg
b) 43kg
c) 28kg
d) 33kg
e) None of these

Q13. What may be the possible weight of U?
a) 30kg
b) 39kg
c) 38kg
d) 26kg
e) None of these

Q14. Which of the following statement is true?
a) Only one athletics is lighter to W
b) X is the lightest among all
c) U is lighter to X
d) Weight of U is 50 kg
e) None is true

Direction (15-18): Study the following arrangement carefully and answer the questions given below:

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

Q15. How many 2's is/are there in the above arrangement, each of which is immediately preceded by a digit that has a numerical value of more than 5?
a) None
b) One
c) Two
d) Three
e) More than three

Q16. Which of the following number is Fifth to the left of the Twenty-one from the left end of the above arrangement?
a) 3
b) 7
c) 2
d) 5
e) 1

Q17. If all the even digits are removed from the above arrangements then, which of the following digit will be Seventh from the right end of the arrangement?
a) 9
b) 5
c) 1
d) 3
e) 7

Q18. How many such 6's is there in the above arrangement, each of which is immediately followed by a perfect square?
a) None
b) One
c) Two
d) Three
e) More than three

Direction (19-23): Study the following information carefully and answer the questions given below: Eight persons S, T, U, V, W, X, Y and Z purchase some products one after another but not necessarily in the same order. Only one-person purchase between T and V. Z purchase just before S. Y purchase before W and after U. At most two persons purchase before V. One-person purchase between Z and T. X purchase just before U.

Person
X
U
V
Y
T
W
Z
S

Q19. How many persons purchase after T?
a) None
b) Two
c) More than three
d) One
e) None of these

Q20. Who among the following purchase just after W?
a) U
b) V
c) Y
d) Z
e) None of these

Q21. If all the persons are arranged in alphabetical order from top to bottom starting from T, then find how many persons remain at the same position (excluding T)?
a) One
b) None
c) Two
d) Four
e) More than Four
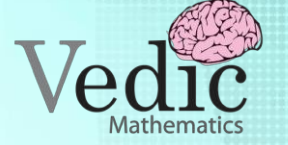
Q22. Who among the following purchase exactly between T and V?
a) U
b) Y
c) X
d) S
e) None of these

Q23. How many persons purchase between U and Z?
a) Five
b) Four
c) Three
d) None
e) Two

Q24. How many pairs of letters are there in the word "**SINGAPORE**" which has as many letters between them as we have in the English alphabetical series (from both forward and backward direction)?
a) Three
b) One
c) Two
d) None
e) More than three

Directions (25-28): In each question below are given some statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer:

25) Statements:
All F is B.
No C is S.
Only a few F are C.
Conclusions:
I. All F can be S.
II. All S Being F is a possibility.
a) If only conclusion I follows.

b) If only conclusion II follows.
c) If either conclusion I or II follows.
d) If neither conclusion I nor II follows.
e) If both conclusions I and II follow.

Q26. Statements
All North are West.
No East is a North.
Some West are middle.
Conclusions:
I. All East are West is a possibility.
II. All West are Middle is a possibility.
a) If only conclusion I follows.
b) If only conclusion II follows.
c) If either conclusion I or II follows.
d) If neither conclusion I nor II follows.
e) If both conclusions I and II follow.

Q27. Statements:
Few Chair are Pen.
Some Book are not Chair.
Every Paper is Book.
Conclusions:
I. Some Paper being pen is a possibility.
II. All Book Can be Chair.

a) If only conclusion I follows.
b) If only conclusion II follows.
c) If either conclusion I or II follows.
d) If neither conclusion I nor II follows.
e) If both conclusions I and II follow.

Q28. Statements:
All chair are bat.
Only a few fan are chair.
Maximum table is bat.
Conclusions:
I. Some fan are bat.
II. All fan can be table.
a) If only conclusion I follows.
b) If only conclusion II follows.
c) If either conclusion I or II follows.
d) If neither conclusion I nor II follows.
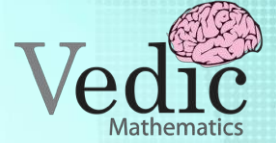
e) If both conclusions I and II follow.

Directions (29-33): Study the following information carefully and answer the question given below Eight persons M, N, O, P, Q, R, S and T were born in the month of October of 4 different years i.e. 1966, 1967, 1968 and 1969 either on 16th or 25th but not necessarily in the same order. T was born just after P. Q was born in the even numbered year but not the eldest among all. More than two persons were born between Q and P. There are as many persons born before T as same as born after N. S was born before R and after M and they all were born on the same date.

Years	Month	Date	Persons
1966	October	16	P
		25	T
1967		16	O
		25	M
1968		16	Q
		25	S
1969		16	N
		25	R

Q29. How many persons born before O?
a) One
b) None
c) Two
d) More than four
e) Four

Q30. In which of the following year N was born?
a) 1966
b) 1969
c) Either 1966 or 1969
d) 1967
e) 1968

Q31. How many persons were born between M and R?
a) Three

b) Five
c) Two
d) One
e) None of these

Q32. Four of the following five are alike in a certain way and so form a group. Find the one who does not belong to that group?
a) P
b) N
c) Q
d) O
e) T

Q33. The number of persons born between S and T is same as between ___ and ___?
a) Q, R
b) N, T
c) O, N
d) P, S
e) None of these

Direction(34-35): Answer the questions based on the information given below:

Point K is 8m north of point I, which is 4m east of point J. Point J is the midpoint of point G and point F. Point K is midpoint of point L and point H. Point H is 6m north of point F. Point L is east of point K. Point G is either north or south of J.
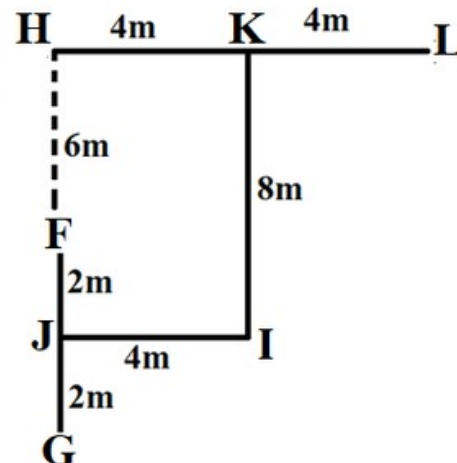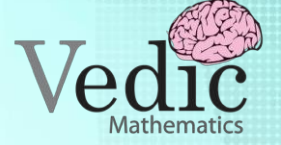
Q34. What is the direction of point G with respect to the point I?
a) Northwest
b) Northeast
c) Southwest
d) Southeast
e) None of these

Q35. What is the shortest distance between F and L?
a) 8m
b) 10m
c) 9m
d) 15m
e) None of these

Directions (36-43): Read the following passage and answer the following questions based on the given passage. Some of the words are highlighted which would help you to answer some of the questions given.

A good night's sleep is of utmost essential for overall good health. It is the time when the body rests, rejuvenates, and recovers. An adult requires 7 to 8 hours of peaceful and quality sleep per day. Sleep deprivation can be defined as the inability to complete the sufficient sleep time required by the person. Research has shown that even one night of sleep deprivation is equivalent to being intoxicated. Intentional sleep deprivation is mostly seen in young people and teenagers who prefer entertainment oversleep. Many workaholics also consider sleeping as a waste of precious time which is not true. Many a time because of work commitments such as working night shifts or long hours may also interfere with the quality of sleep that an individual requires. Medical issues such as chronic illnesses, depression, and sleep disorders such as obstructive sleep apnea can also be the reason for sleep deprivation.

You probably already have some understanding of the benefits of rest—and the costs of not getting it.

Sleep allows us to consolidate and store memories, process emotional experiences, replenish glucose (the molecule that fuels the brain), and clear out beta-amyloid (the waste product that builds up in Alzheimer's patients and disrupts cognitive activity).

The most common sign and symptom of the fact that one is sleep deprived is fatigue, lethargy, and feeling sleepy throughout the day. Other symptoms include mood disorders; sleep deprivation may lead to increased irritability, desire to stay alone, rapid mood swings, and more. Lack of sleep will also cause psychomotor instability meaning the person will find it difficult to focus and stand still at a place. Sleep deprivation will also cause issues with sight and hearing. An affected person may experience a burning sensation in the eyes, tingling and redness of eyes, light flashes and even hallucinations. He or she may also find it difficult to gauge the distance at which a sound is originating. Other signs and symptoms of sleep deprivation include tingling sensations on the body, disorganization of thought and much more. The negative effects of sleep deprivation are many. It affects both the physical and mental health of a person negatively. The most common effect of sleep deprivation is drowsiness, tiredness, mood swings, irritability and reduced alertness. Although scientific knowledge of the physiological effects of sleep deprivation is relatively recent but researchers now believe that sleep deprivation can lead to disorders such as depression. Both short term sleep deprivation and chronic long-term sleep deprivation can be very dangerous for the health as it has a direct impact on the functioning of both the heart and brain of an individual. Sleep loss also blunted activity in brain regions that normally induce social engagement. During sleep, regeneration of neurons happens in the cerebral cortex. Thus in a sleep-deprived individual, the brain fails to function optimally.

The simplest and easiest way to treat sleep deprivation is to sleep more. Be it acute or chronic condition, a quality good night's sleep will help an individual _____(A)_____ effectively. Fighting stress, eating a healthy and a balanced diet, avoiding alcohol are some other dos for a good night's sleep. Certain medications can also interfere with one's sleep thus consult your medical professional about the same. Exercising or indulging in an activity such as jogging, walk or swimming can also help one sleep better. Avoid usage of electronic gadgets before bedtime as they can interfere with one' sleep. Spending time in natural sunlight, Yoga, meditation and breathing exercises can also help one sleep better at night. Treating underlying medical cause if any will also help one sleep better and avoid sleep deprivation.

36.Which among the followings is true according to the context of the passage?
(a) All the five senses of the human body get negatively affected by sleep deprivation
(b) Underlying prolonged medical can also cause sleep deprivation.
(c) Sleep deprivation is a state which is caused by insufficient quantity or quality of sleep.
(d) Eating a healthy and balanced diet, avoiding alcohol, and fighting stress reduces depression
(e) All are true

37. What is/are the cause(s) of incompetency in a sleep-deprived individual's brain?
(i) Reduction in the regrowth or repair of nervous tissues, cells, or cell products in the cerebral cortex.
(ii) The cognitive activity causes incompetency due to disruption of beta-amyloid.
(iii) Sleep deprivation causes drowsiness, tiredness, and reduced alertness.
(a) Only (i)
(b) Only (iii)
(c) Both (i) and (iii)
(d) Both (i) and (ii)
(e) All (i) (ii) and (iii)

38. How can one safeguard oneself from sleep deprivation?
(i) Getting regular exercise during the day.
(ii) Refraining from using electronic devices right before bed
(iii) Limiting the consumption of alcohol
(a) Only (i)
(b) Only (iii)
(c) Both (i) and (iii)
(d) Both (i) and (ii)
(e) All (i) (ii) and (iii)

39. According to the passage, which among the following statements is true?
(a) The quality sleep of 5-6 hours a day is required for the proper functioning of an adult.
(b) Nowadays, a medical professional can cure sleep deprivation.
(c) Our ability to acquire knowledge and process emotional experiences is enhanced by sleep.
(d) Both (a) and (b)
(e) All are true

40. Choose the most suitable phrasal verb to fill the given blank (A) to make the sentence grammatically and contextually correct.
(a) bounce back
(b) fall off
(c) come ahead
(d) break-in
(e) dropdown

Directions (6-7): Choose the most suitable word that depicts the meaning of the highlighted word.
41. **SUFFICIENT**
(a) Myriad
(b) Abundant
(c) Restricted
(d) Slender
(e) Scarce

42. **INDUCE**
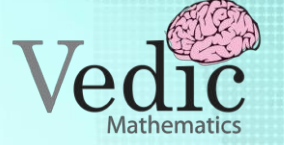
(a) Expel
(b) Dash
(c) Persuade
(d) Patron
(e) Encourage

43. Which of the following word depicts the opposite meaning of the given word REPLENISH?
(a) Rever
(b) Exhaust
(c) Eject
(d) Hasten
(e) Twist

Directions (44-48): In the following questions, a sentence is divided into four parts. Choose the part of the sentence which may contain a grammatical error in it. If all the parts of the sentence are grammatically correct and contextually meaningful, choose option (e) i.e. "no error" as your answer choice.

44. He as well as (A)/ his friends (B)/ were going (C)/ for hiking. (D)/ No Error (E)
(a) A
(b) B
(c) C
(d) D
(e) E

45. If I don't (A)/ turn on my (B)/ air conditioner, my (C)/ house was hot. (D)/ No error (E)
(a) A
(b) B
(c) C
(d) D
(e) E

46. Slicing a cake between pieces (A)/ is a fun tradition that many (B)/ newlyweds like to (C)/ incorporate into their ceremonies. (D)/ No Error (E)
(a) A
(b) B

(c) C
(d) D
(e) E

47. She had stayed up (A)/ all night because (B)/ she had received (C)/ bad news. (D)/ No error. (E)
(a) A
(b) B
(c) C
(d) D
(e) E

48. The coaching industry in India (A)/ plays a pivotal role, (B)/ as it contributes significant (C)/ revenue to the education sector. (D)/ No Error (E)
(a) A
(b) B
(c) C
(d) D
(e) E

Directions (49-52): In the following question, sentences are given with a part in bold. The given phrase in bold may or may not contain an error. The options following can replace the incorrect phrase. The correct phrase that is to be replaced will be your answer. If the sentences are correct then select 'No improvement required' as your answer.

49. Everything is funny, as long as it is **happening too** someone else.
(a) was happening to
(b) is happening to
(c) could have been happening to
(d) has been happening for
(e) No improvement required

50. They recommend this book even though **they himself had** never read it.
(a) they themself has
(b) it itself had
(c) they themselves had
(d) one oneself has

(e) No improvement required

51. This is the house **that Jack built it.**
(a) which Jack has built it
(b) that Jack built
(c) whom Jack built
(d) that Jack is building it
(e) No improvement required

52. In no way do I agree with what you're saying.
(a) No way I don't
(b) In no way I don't
(c) Do I in no way
(d) In no way I do
(e) No improvement required

Directions (53-58): In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

According to some researchers, musical instruments came about ___(18)___, depending on the available materials, and, in some cases, by the stimulus of the clamor of battle. The definition of a musical instrument is quite simple: it is an instrument that was created or ___(19)___ to make musical sounds. It is important to remember that the history of musical instruments dates back to the beginning of human culture. This tells us that man has always been drawn to music. The earliest musical instruments were used for rituals. For example, the trumpet-like ones were used to signal success in a hunt, or drum-like instruments were used in religious ceremonies.

Over time, cultures have developed the composition and performance of musical pieces for entertainment. Musical instruments have also ___(20)___ with ever-changing applications. It appears that no one knows exactly where the music came from. We are not talking here about who Elvis' singing predecessors were, not even about when the first musical instrument was invented. Researchers who have been interested in the physics of instruments believe that musical devices have always ___(21)___ pretty much on the materials that were available to each civilization. In other words, people worked with what they had. In time, traditional poetry was ___(22)___ alongside human noise-makers and got rhythms to them. Again, there is no exact data to back this up, so no one knows exactly when the first song was born. However, adding stories to melodies became a tradition that was carried on to our days and it does not seem like it will ever go out of fashion.

53. (a) anxiously
(b) deliberate
(c) cautiously
(d) systematic
(e) randomly

54. (a) distributed
(b) prohibited
(c) immense
(d) adapted
(e) concise

55. (a) Refine
(b) diminished
(c) evolved
(d) subdues
(e) Surged

56. **(a) depended**
(b) sustained
(c) aligned
(d) suspected
(e) related

57. (a) displayed
(b) recited
(c) elaborate
(d) arranged
(e) Remembered

Directions (58-61): In each of the questions given below a sentence is given with three words in bold. Choose the option which gives the correct sequence of these words to make the sentence grammatically and contextually correct.

58. The **deficit (A)** changes in the sector brought in through the three laws have **aggravated (B)** the trust **abrupt (C)** of the government.
(a) CAB
(b) CBA
(c) ABC
(d) BAC
(e) None of these

59. The Chinese Communist Party initially **aftermath (A)** nationalism as a co-option **embraced (B)** in the **strategy (C)** of the Tiananmen Square massacre
(a) None of these
(b) BCA
(c) CAB
(d) CBA
(e) ABC

60. The Supreme Court has been asking States to **reservation (A)** quantifiable data to **justify (B)** their levels of **produce (C).**
(a) None of these
(b) BCA
(c) CAB
(d) CBA
(e) ACB

61. The U.P. ordinance not only **conflict(A)** guaranteed fundamental rights but is also in **violates(B)** with **existing(C)** personal laws
(a) ACB
(b) ABC
(c) BAC
(d) CAB
(e) None of these

Directions (62-30): In the question given below, some sentences/phrases are given which have to be arranged in a proper sequence. Select the option which best defines the proper sequence and arranges the sentence in an appropriate way.

62.
(A) We are expecting from
(B) It is crucial to define
(C) Plans for COVID-19
(E) The outcomes
(D) Population-level vaccination
(a) BCAED
(b) CABED
(c) BEADC
(d) DCABE
(e) No rearrangement possible

63.
(A) Work alongside
(B) China in quickly
(C) Uncovering the
(D) WHO must
(E) Origins of the virus
(a) EBACD
(b) DABCE
(c) CAEBD
(d) EBCDA
(e) No rearrangement possible

64.
(A) Is a result of
(B) Discontent over the
(C) And discussion in Parliament
(D) New farm laws
(E) Sidestepping debate
(a) EDABC
(b) AEBDC
(c) BDAEC
(d) DEABC
(e) No rearrangement possible

65.
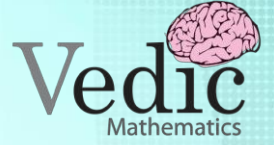
(A) Bearing a nexus to
(B) To the public
(C) Only information
(D) Public activity should
(E) Be available
(a) EDABC
(b) CEDAB
(c) AEBDC
(d) CADEB
(e) No rearrangement possible

Directions (66 – 70): In the following questions, there are two equations in x and y. You have to solve both the equations and give the answer –
(a) if x > y
(b) if x < y
(c) if x ≥ y
(d) if x ≤ y
(e) if x = y or there is no relation between x and y

66. Question
I. $2x^2 – 3x + 1 = 0$
II. $2y^2 – 5y + 3 = 0$
(a) if x > y
(b) if x < y
(c) if x ≥ y
(d) if x ≤ y
(e) if x = y or there is no relation between x and y

67.Question
I. $x^2 + 21x + 110 = 0$
II. $y^2 + 17y + 72 = 0$
(a) if x > y
(b) if x < y
(c) if x ≥ y
(d) if x ≤ y
(e) if x = y or there is no relation between x and y

68.Question
I. $x^2 = 4$
II. $y2 – 6y + 8 = 0$
(a) if x > y
(b) if x < y

(c) if x ≥ y
(d) if x ≤ y
(e) if x = y or there is no relation between x and y

69.Question
I. $x^2 + 9x -22 = 0$
II. $2y^2 – 7y + 6 = 0$
(a) if x > y
(b) if x < y
(c) if x ≥ y
(d) if x ≤ y
(e) if x = y or there is no relation between x and y

70.Question
I. $6x^2 + 5x + 1 = 0$
II. $15y^2 + 11y + 2 = 0$
(a) if x > y
(b) if x < y
(c) if x ≥ y
(d) if x ≤ y
(e) if x = y or there is no relation between x and y

71. Question
Train A running at a speed of 36 km/hr crosses train B in 20 seconds. Find the speed of train B (in km/hr) if the sum of the length of trains A & B is 600 meters and both trains running in the opposite direction.
(a) 72 km/hr
(b) 54 km/hr
(c) 48 km/hr
(d) 108 km/hr
(e) 81 km/hr

72. Question
A invests Rs. X in a business. After four months, B joined him with Rs. 2X and A double his investment. If at the end of the years total profit is Rs. 13950, then find the profit share of A?
(a) 7250 Rs.
(b) 7750 Rs.
(c) 8750 Rs.
(d) 6750 Rs.
(e) 7050 Rs.

73.Question
A man invested an amount in two schemes in the ratio of 2 : 3 at the rate of 20% p.a. and 10% p.a. on compound interest respectively. If the man gets a total interest of Rs. 1208 after two years from both the schemes, the find amount invested by man?
(a) 6000 Rs.
(b) 4800 Rs.
(c) 5000 Rs.
(d) 4500 Rs.
(e) 4000 Rs.

74.Question
The sum of the length of a rectangle and the side of a square is 72 meters. If the perimeter of the rectangle is 84 meters and the breadth of the rectangle is 18 meters, then find the measurement of the side of the square (in meters).
(a) 48
(b) 36
(c) 54
(d) 60
(e) 30

75. Question
The ratio of time taken by A, B & C to complete work alone is 4: 6 : 3 respectively. If all three together complete the work in 8 days, then find in how many days A alone completes three-fourth of the same work?
(a) 12 days
(b) 30 days
(c) 15 days
(d) 24 days
(e) 18 days

76. Question
The population of a village decreased by 10% in the first year and then increased by 20% in the second year. Find the population of the village at the end of the second year if two years ago it was 15,000?
(a) 16180

(b) 16200
(c) 16320
(d) 16360
(e) 16480

77.Question
A shopkeeper marked up a shirt 50% above the cost price and allows successive discounts of 11(1/9)% and 10% on it. If the difference between the profit earned and the discount given is Rs. 200 then find the marked price of the shirt?
(a) Rs. 2100
(b) Rs. 3000
(c) Rs. 2400
(d) Rs. 3600
(e) Rs. 3300

78. Question
The downstream speed of a boat is 5 km/hr more than its upstream speed and the ratio of the speed of the boat in still water to the speed of the stream is 19: 5. Find the total time taken by boat to travel 42 km downstream and 31.5 km upstream?
(a) 7 ½ hr
(b) 8 hr
(c) 9 hr
(d) 9 ½ hr
(e) 10 hr

79. Question
A container contains a mixture of two liquids P and Q in the ratio 5 : 3. If 16 litres of the mixture is taken out and replaced with liquid Q, then the new ratio of liquid P to liquid Q becomes 1: 1. Find the initial quantity of mixture in the container.
(a) 80 L
(b) 60 L
(c) 70 L
(d) 48 L
(e) 96 L

80. Question

The ratio of the present age of A to B is 8: 5 and the average of the present age of B and C is 35 years.If five years ago, the sum of ages of A and B is 55 years, then find the difference between the present age of A and C. of A and C.
(a) 12 years
(b) 5 years
(c) 9 years
(d) 8 years
(e) 4 years

Direction (81 – 20): The line graph given below shows the total number of posts (Photos + Videos) shared by six (A, B, C, D, E & F) people in December 2019. Read the data carefully and answer the questions.
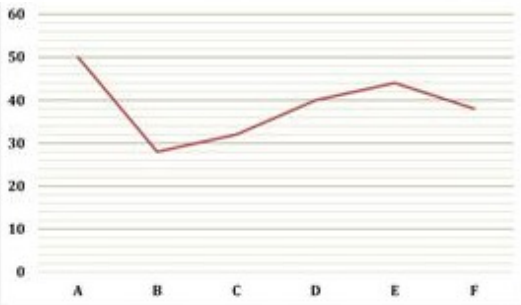
81. Question
The total post shared by C is what per cent less than the total post shared by D?
(a) 20%
(b) 25%
(c) 15%
(d) 10%
(e) 30%

82. Question
In January 2020 total posts shared by B & F is 12 and 15 more than the previous month respectively, then find the total number of posts shared by B & F in January 2020?
(a) 95
(b) 91
(c) 93
(d) 97

(e) 99

83. Question
Find the average number of posts shared by A, C & F?
(a) 42
(b) 48
(c) 40
(d) 36
(e) 44

84. Question
The total photos shared by E is four more than the total videos shared by him, then find the total videos shared by E?
(a) 24
(b) 20
(c) 28
(d) 22
(e) 30

85. Question
If the ratio of total photos to total videos shared by B is 5: 9, then find the total photos shared by B?
(a) 10
(b) 18
(c) 12
(d) 14
(e) 16

Direction (86 – 100):- What will come in the place of question mark in following questions.

86.Question
$(? \div 5 \div 7) \times 14 + 112 = 420$
(a) 710
(b) 720
(c) 660
(d) 770
(e) 750

87.Question

$(?)\,\hat{}\,(4 \times 16 \div 32 + 1) + 12^2 = 360$
(a) 4
(b) 6
(c) 8
(d) 2
(e) 3

88.Question
$50\% \text{ of } 128 + \sqrt{16}/2 \times 4 =? +10$
(a) 64
(b) 62
(c) 60
(d) 56
(e) 82

89.Question
$^3\sqrt{1331}/11 + \sqrt{81} + ? = 27$
(a) 19
(b) 18
(c) 17
(d) 16
(e) 15

90.Question
$(14)^2 + 179 + (5)^2 = (?)^2$
(a) 10
(b) 20
(c) 30
(d) 40
(e) 22

91. Question
$28.5 \times 34 + 2320 \div 8 = (36)^2 - ?$
(a) 51
(b) 47
(c) 43
(d) 34
(e) 37

92.Question
$47 \times 27 + 15600 \div 8 + 181 = ?$
(a) 3320
(b) 3420

(c) 3370
(d) 3400
(e) 3460

93.Question
$112.5 \times 5 + 4560 \div 6 - 175 \times 7 = ?$
(a) 103.5
(b) 91.5
(c) 97.5
(d) 110.5
(e) 115.5

94.Question
$80\% \text{ of } ? = \sqrt{(250 \times 44 + 40\% \text{ of } 8500)}$
(a) 80
(b) 120
(c) 150
(d) 180
(e) 240

95.Question
$? \times 40 \div 24 \times 27 = 594/115 \times 2300/264$
(a) 1
(b) 2
(c) 3
(d) 4
(e) 5

96.Question
$? + 13 \times 50 = 420 + 45\% \text{ of } 800 + 220$
(a) 300
(b) 350
(c) 400
(d) 450
(e) 250

97.Question
$12 \% \text{ of } ? + 12.5\% \text{ of } 960 = 16 \times 12$
(a) 840
(b) 960
(c) 800
(d) 600
(e) 400

98.Question
$15 \times ? + 20\%$ of $450 = 360$
(a) 12
(b) 20
(c) 24
(d) 16
(e) 18

99.Question
75% of $3/4 \times 8/9 \times 1800 = ? + 600$
(a) 300
(b) 400
(c) 250
(d) 480
(e) 540

100.Question
$? \%$ of $900 + 500 = 4 \times 197$
(a) 28
(b) 25
(c) 36
(d) 40
(e) 32