

Nainital Bank PO 2020 Prelims Memory Based Questions PDF (With Solution)



Direction: Study the following information and answer the given questions.

In a family of three generations and nine members, there are three married couples. It is known that either both or none of the parents of each member is alive. F is the only sister of D, who is an unmarried male. H is the daughter-in-law of F, who is married to A. E is the brother-in-law of G, who is married to E's sister. I is the daughter of B, who is the aunt of C.

1. How many male members are there in the family?

- A. Four
- B. Three
- C. Two
- D. More than Four
- E. None of the above

2. Who is the father of C?

- A. G
- B. E
- C. A
- D. Either G or E
- E. Either E or A

3. How is I related to A?

- A. Grandfather
- B. Grandmother
- C. Mother
- D. Sister
- E. Father

Direction: Study the following information carefully and then answer the questions given below.

Eight people i.e., A, C, E, G, J, L, N and O are sitting around a circular table facing the center but not necessarily in the same order. All of them have different occupation i.e., Clerk, Manager, Minister, Farmer, Watchman, Doctor, Engineer and Driver. One person sits between E

and the one who is Engineer. The person who is Minister sits third to the right of E. L sits fourth to the left of the one who is Minister. The one who is Clerk sits exactly opposite to the one who is Engineer. Two persons sit between N and the one who is Clerk. N is not Minister. Three persons sit between C and the one who is Driver. C is neither a Minister nor an Engineer. E is neither a Farmer nor a Driver. A sits third to the left of C. The one who is Manager sits fifth to the left of O. Only one person sits between J and the one who is Farmer. O is neither a Doctor nor a Farmer. The one who is Doctor is not an immediate neighbour of C.

4.

Who sits opposite to the one who is Farmer?

- A. N
- B. G
- C. A
- D. E
- E. None of these

5. How many people sit between L and N when counted from right of N?

- A. More than three
- B. Three
- C. One
- D. Two
- E. None

6. Who amongst the following is Engineer?

- A. J
- B. A
- C. N
- D. O
- E. None of these

7. What is the occupation of G?

- A. Doctor
- B. Manager
- C. Farmer
- D. Clerk
- E. None of these

8. Which of the following pair is correct?

- A. E - Engineer
- B. J - Farmer
- C. L - Manager
- D. O - Clerk
- E. All are true

Direction: In the following questions assuming the given statement to be true, find which of the conclusion(s) among given conclusions is/are definitely true and then give your answers accordingly.

9.

Statement:

$A < U > H = R < W \leq P > Y = B < S \geq G = X > C$

Conclusions:

- I. $W < B$
- II. $Y = X$
- A. Only I
- B. Only II
- C. Either I or II
- D. Neither I nor II
- E. Both I and II

10. **Statement:**

$Q > R < S = Y = G > D > I = Y = E < Z \geq O$

Conclusions:

- I. $S > D$
- II. $I < Z$
- A. Only I
- B. Only II
- C. Either I or II
- D. Neither I nor II
- E. Both I and II

11. **Statement:**

$A > G > I < O > P = Q > S < W = H > X = E$

Conclusions:

- I. $P > H$
- II. $A < E$
- A. Only I
- B. Only II
- C. Either I or II
- D. Neither I nor II
- E. Both I and II

12. **Statement:**

$A = B > S \geq D < W = H > I = Q \geq G > D$

Conclusions:

- I. $W > Q$
- II. $B > H$
- A. Only I
- B. Only II
- C. Either I or II
- D. Neither I nor II
- E. Both I and II

13. **Statement:**

$I > P = W \geq A = B \leq C = S > X < Z = Q > E$

Conclusions:

- I. $B < Z$
- II. $I > B$
- A. Only I
- B. Only II
- C. Either I or II
- D. Neither I nor II
- E. Both I and II

14.

If in the given word EAGEREST each of the consonants is changed to the previous letter and each vowel is changed to the next letter then they are arranged alphabetically from the left to the right then which of the following will be the sixth letter from the left?

- A. R
- B. S
- C. Q
- D. F
- E. B

Direction: Study the following information and answer the given questions.

Point A is 10m to the North of point F which is 15m to the West of D. Point B is 25m to the west of E which is 10m to the South of point D. Point C is 13m to the West of Point H which is 12m to the North of point B. Point G which is to the South of point C is on the same line with B.

15.
In which direction is G with respect to H?
A. West
B. South
C. South-West
D. North-East
E. None of the above
16. In which direction is H with respect to D?
A. West
B. North
C. North-West
D. South-East
E. None of the above
17. What is the sum of the distance between E and G?
A. 42m
B. 38m
C. 56m
D. 52m
E. None of the above

Direction: Study the following information carefully to answer the questions.

Eight people S, K, E, M, Z, Q, P and H live in three different localities i.e., L1, L2 and L3. Among them, two are female and they live in different localities and play different sports.

Two of them play Table tennis, two play Basketball, two play Cricket and one plays Volleyball and one plays Badminton. Z stays in L1 and plays Basketball and her friend K, who plays Table Tennis stays in L3. S plays Basketball, and stays with P, who plays Cricket. E plays Cricket, stays in L2 and his friend H plays Table Tennis and stays in L1 with only one of the other persons. Not more than three of the people stay in L3. No female plays Volleyball or Badminton. One of

the women plays Cricket. No two people who play the same sports stay together.

18.
Who plays Volleyball?
A. E
B. M
C. Q
D. P
E. Either M or Q
19. M lives in which locality?
A. L1
B. L2
C. The locality in which K lives.
D. L3
E. More than one option is correct.
20. Which of the following is a female?
A. S
B. K
C. P
D. H
E. E
21. Which of the following pair is correct?
A. H - Cricket
B. Female - Table Tennis
C. Z - L2
D. M - Female
E. Q - L2
22. Which of the following statement is correct?
A. Q plays Badminton.
B. One of the persons who stays in L2 plays Volleyball.
C. M plays Basketball.
D. S plays Cricket.
E. One of the people who stays in L3 plays Badminton.

Direction: Study the following information and answer the given questions.

In an artificial language,
White Blue Sky Cloud is coded as be kl te dc

Cloud Sky Rain Bow is coded as dc nr
wx kl
Sky Rain White Green is coded as nr
kl gy te

23.

How is Green coded in that language?

- A. gy
- B. dc
- C. kl
- D. te
- E. None of the above

24. How is Rain coded in that language?

- A. kl
- B. nr
- C. gy
- D. te
- E. wx

25. How will rain bow be coded in that language?

- A. wx kl
- B. kl nr
- C. nr wx
- D. wx nr
- E. None of the above

26. The code te is known as _____.

- A. Cannot be determined
- B. Sky
- C. White
- D. Cloud
- E. None of the above

27. The code dc means _____.

- A. Rain
- B. Sky
- C. Cloud
- D. Bow
- E. None of the above

28. If a meaningful word can be formed using 1st, 3rd, 4th and 8th letters of the word TENTACLES, what is the third letter of the newly formed

word? If more than one words can be formed, mark your answer as X. If no such words can be formed, mark your answer as Z.

- A. N
- B. T
- C. E
- D. X
- E. Z

Direction: Study the following information carefully and then answer the questions given below.

Twelve people are sitting in two parallel rows. In row 1 – A, B, C, D, E and F are sitting and facing the south direction and in row 2 – L, M, N, O, P and Q are sitting and facing the north direction but not necessarily in the same order.

N sits fourth to the right of O. The one, who sits opposite N, sits three places away from B. Two people sit between F and B. The one, who sits opposite B, sits two places away from P. More than two people sit to the right of P. C sits second to the right of E, who is not a neighbour of D. Q sits immediate right of M, who is not a neighbour of O.

29.

Who sits opposite to C?

- A. L
- B. O
- C. P
- D. M
- E. None of these

30. How many people sit to the left of Q?

- A. Four
- B. Three
- C. One
- D. None
- E. Two

31. Who sits third to the right of the one who faces B?

- A. L
- B. N
- C. Q
- D. M
- E. None of these

32. How many people sit between F and A?

- A. Three
- B. One
- C. None
- D. Two
- E. More than three

33. What is the position of E with respect to A?

- A. Immediate left
- B. Immediate right
- C. Second to the left
- D. Third to the right
- E. None of these

Direction: Study the following information and answer the given questions.

A number arrangement machine when given an input line of numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement:

Input: 3456 6576 2987 2387 5176 7852

Step I: 711 1113 1115 515 613 157

Step II: 72 33 35 101 613 157

Step III: 9 6 8 2 10 13

Step IV: 18 12 16 04 20 26

Step IV is the last step of the rearrangement. As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input.

Input: 2356 7654 1288 2376 1209 2356 9865

34.

Which of the following is the third number from the left of the final step?

- A. 26
- B. 25
- C. 20
- D. 24
- E. 30

35. What is the smallest number of step II?

- A. 52
- B. 39
- C. 139
- D. 172
- E. None of the above

36. What is the difference between the largest number of steps I and IV?

- A. 1272
- B. 1729
- C. 1685
- D. 1290
- E. None of the above

37. What is the sum of the numbers in step III?

- A. 98
- B. 78
- C. 68
- D. 49
- E. None of the above

38. How many numbers remained unchanged in step II as were in step I?

- A. Two
- B. Three
- C. One
- D. Four
- E. None of the above

39. How many such pairs of letters are there in the word ARTICLES each of which has as many letters between them (in both forward and backward

direction) in the word as in the English alphabet?

- A. One
- B. Two
- C. Three
- D. Four
- E. None

Direction: In the question below are given three statements followed by the conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements:

Some Rocket are Jet
All Jet are Flight
All Flight are Space

Conclusions:

- I. All Flight is Rocket
- II. Some Flight are not Jet
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Neither I nor II follows
- E. Both I and II follow

41. Statements:

No Rubber is Paper
Some Paper is Gum
All Gum is Rap

Conclusions:

- I. No Gum is Rubber
- II. Some Rap is not Rubber.
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Neither I nor II follows
- E. Both I and II follow

42. Statements:

All Casper is Gin
All Gin is Robo
Some Gin is Flin

Conclusions:

- I. No Flin is Casper
- II. Some Robo are Flin
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Neither I nor II follows
- E. Both I and II follow

43. Statements:

All Key is Word
Some Word is Alpha
No Alpha is Comma\

Conclusions:

- I. Some Word are not Comma
- II. Some Key are not Comma
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Neither I nor II follows
- E. Both I and II follow

44. Statements:

All Little is Paper
Some Little is Big
All Big is Cut

Conclusions:

- I. At least some Paper is Big
- II. All little is Cat
- A. Only I follows
- B. Only II follows
- C. Either I or II follows
- D. Neither I nor II follows
- E. Both I and II follow

Direction: Study the following information carefully and answer the given questions.

Certain number of persons are sitting in a linear row. All the persons are facing towards the north. Three persons sit between E and F who sits at an extreme end. B sits third to the left of E. Six persons sit between B and D. Only two persons sit between D and A who sits at one of the extreme ends. The number of persons sits to the right of B is the same as

the number of persons sits to the left of C. H sits fifth from one of the extreme ends. Two persons sit between G and I who sits sixth from one of the extreme ends. G is not an immediate neighbour of E and B. E sits adjacent to I.

45.

How many people sit between E and H?

- A. Eight
- B. Nine
- C. Three
- D. Two
- E. None of these

46. How many people are there in the row?

- A. 17
- B. 15
- C. 18
- D. 21
- E. None of these

47. Who sits third to the right of B?

- A. G
- B. E
- C. I
- D. F
- E. None of these

48. How many people sits to the left of C?

- A. Eleven
- B. Seven
- C. Nine
- D. None
- E. Two

49. What is the position of G from the right end?

- A. Seventh
- B. Tenth
- C. Second
- D. Third
- E. None of these

Direction: Study the following information and answer the given questions.

ABLE RABI SOFI BLUE RACE

50.

If the vowels interchange their positions within the word, how many meaningful words will be formed?

- A. One
- B. Three
- C. More than Three
- D. Two
- E. None

51. If the words are arranged alphabetically from the left to the right of the series, which of the following letter is third to the left of the fifth letter from the right of the newly formed series?

- A. A
- B. B
- C. E
- D. R
- E. S

52. If the letters are arranged alphabetically within word, what will be thirteenth letter from the left of the series?

- A. S
- B. B
- C. U
- D. C
- E. None of the above

53. If the first and last letters of each word are interchanged, then how many meaningful words can be formed?

- A. Three
- B. Two
- C. One
- D. None
- E. More than three

54.If all the words are arranged alphabetically based on the last letter within the word from the left to the right of the series, then how many words will not change their positions?

- A. One
- B. Two
- C. Three
- D. None
- E. More than three

55.How many such pairs of numbers are there in the word 186293472 each of which has as many numbers between them (in both forward and backward direction) in the word as in the Number series?

- A. One
- B. Three
- C. Four
- D. Two
- E. None

Direction: Study the following data carefully and answer the questions accordingly.

Eight people live in an eight-story building. One person lives on one floor. The ground floor is numbered 1 and the top floor is numbered 8. Each one is born in different months from January to August of the same year. Z lives immediately above Y, who is born immediately after J. Four people live between the oldest and the youngest ones. Four people live between K, who lives above J, and F, who is younger than E. Four people live between E and the one, who is born in May. The one, who is born in March, lives on an odd-numbered floor above the third floor. Three people live between M and the oldest one. The youngest one lives near F, who lives above T. Two people live between the one, who is born in May and K, who is born before May. Three people live between the one, who is

born in March and E, who lives below the third floor.

56.

How many people live above the one, who is oldest?

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

57.Who among the following lives on the ground floor?

- A. The one, who is younger than F
- B. F
- C. The one, who is older than T
- D. J
- E. M

58.The one, who lives three floors away from Y, is born in-

- A. July
- B. August
- C. March
- D. April
- E. January

59.How many people live between the one, who is older than Y and the one, who is born immediately after F?

- A. Three
- B. One
- C. Four
- D. Two
- E. None of these

60.Find the odd one.

- A. J
- B. Z
- C. M
- D. F
- E. K

Direction: What should come in place of the question mark '?' in the following question?

61.

$$(64 \times 15) \div 4^2 = (? \div 6) + 25$$

- A. 150
- B. 180
- C. 210
- D. 240
- E. None of these

62. $(45\% \text{ of } 840) - (? \times 3) = (125\% \text{ of } 60)$

- A. 144
- B. 140
- C. 196
- D. 101
- E. None of these

63. $\sqrt{1296} \div 9 + (12.5 \times 6) = ? - 41$

- A. 120
- B. 135
- C. 165
- D. 150
- E. None of these

64. $(60\% \text{ of } ?) + (150\% \text{ of } 320) = (150 \times 4)$

- A. 250
- B. 225
- C. 160
- D. 200
- E. 180

65. $(315 \div 7) - (288 \div 16) = ? \times 3^2$

- A. 4
- B. 6
- C. 3
- D. 2
- E. None of these

Direction: Study the following information carefully and answer the question given below:

In a school there are 50 teachers and each teacher teaches at least one subject out of the three subjects viz. Maths, Hindi and English.

The number of teachers teaching all three subjects is 5. The number of teachers teaching only Hindi is 8 and the number of teachers teaching only Maths and English is 7. The number of

teachers teaches only Hindi and English is 6. The number of teachers teaching English is 30. The number of teachers teaching only Maths is 3 less than the number of teachers teaching only English.

66.

What is the number of teachers teaching only Maths?

- A. 6
- B. 9
- C. 15
- D. 10
- E. None of these

67. What is the ratio of the number of teachers teaching only English to only Hindi?

- A. 3 : 2
- B. 4 : 5
- C. 2 : 5
- D. 4 : 3
- E. None of these

68. What is the number of teachers teaching Hindi?

- A. 30
- B. 22
- C. 24
- D. 32
- E. 26

69. The number of teachers teaching only Hindi and English is what percent of the number of students teaching only English?

- A. 90%
- B. 80%
- C. 50%
- D. 75%
- E. None of these

70. If the ratio of the number of male to female teachers who teach Maths is 5 : 3, find the difference between the number of male and females teachers who teach Maths.

- A. 10

- B. 12
C. 8
D. 6

E. None of these

71. Dhani's salary is 80% of Girish's salary and 15% of the Dhani's salary is equal to 20% of Ajay's salary. If Ajay's expenses are 60% of his salary and he saves Rs. 6144, what is the salary of Girish?

- A. Rs. 28800
B. Rs. 36000
C. Rs. 25600
D. Rs. 30000
E. None of these

72. A shopkeeper fixes the marked price of the goods 40% above the cost price. He sold 30% of the goods at the marked price, 25% of the goods at 20% discount and rest of the goods at 40% discount. Find the profit percent altogether.

- A. 6.4%
B. 7.8%
C. 8.4%
D. 9%
E. None of these

73. Madhav invested Rs. 34500 in two schemes A and B at simple interest for 2 years. Scheme A offers interest rate of 12% p.a. and scheme B offers interest rate of 15% p.a. If the ratio of the interest received by scheme A to scheme B is 6 : 5, find the ratio of the amount invested by Madhav in scheme A to scheme B.

- A. 1 : 2
B. 4 : 5
C. 3 : 2
D. 6 : 5
E. None of these

74. A, B and C together started a business. A invested Rs. 16800 for 6 months, B invested Rs. 8400 for 9 months and C invested Rs. 25200 for 5 months. A is working member for

which he gets extra 5% of the total profit. If the total profit is Rs. 12000, then what is B's share?

- A. Rs. 2850
B. Rs. 2960
C. Rs. 2720
D. Rs. 2550
E. None of these

75. The time taken by boat to cover 144 km distance in the direction of the current and 108 km distance against the current is same. What is the speed of the current, if the speed of the boat in still water is 28 km/h?

- A. 8 km
B. 2 km
C. 4 km
D. 5 km
E. 3 km

Direction: What approximate value will come in place of the question mark (?) in the following question? (you are not expected to calculate the exact value)

76.

$$\left(649.99\% \text{ of } \frac{100}{13} + 24.98 \times 12\right) - 119.001 = ?$$

- A. 180
B. 260
C. 230
D. 195
E. 205

$$77. 239.99 + ?^2 = 130.001 + 15.99 \times 9.001$$

- A. 9
B. 6
C. 4
D. 2
E. 10

$$78. 197.99 \div 8.998 \times 5.001 = ? + 25$$

- A. 50
B. 105
C. 65
D. 85

E. 60

$$79.7^2 \times 23.98 + 144.001 = 44.99 \times 8.001$$

A. 6

B. 3

C. 1

D. 8

E. 5

Direction: What approximate value will come in place of the question mark (?) in the following question? (you are not expected to calculate the exact value)

$$80. 255.994 \div 7.997 + 108.001 = ? \times 34.997$$

A. 2

B. 8

C. 12

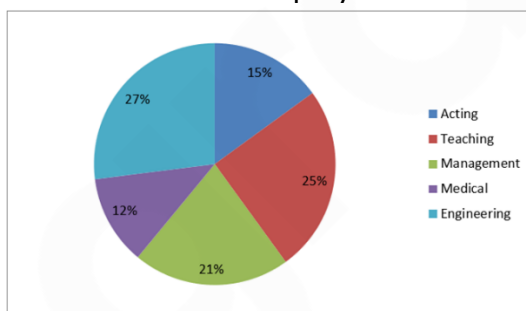
D. 4

E. 10

Direction: Study the following information carefully and answer the question given below:

The pie chart given below shows the percentage distribution of the total number of employees in five different professions.

Total number of employees = 1200



81.

What is the difference between the sum of the number of employees in acting and medical profession together and the number of employees in teaching profession?

A. 24

B. 36

C. 28

D. 32

E. None of these

82. In engineering profession $\frac{4}{9}$ th of the number of employees are female. What the number of male employees in engineering profession?

A. 150

B. 210

C. 180

D. 160

E. None of these

83. What is the average number of employees in acting, management and medical together?

A. 144

B. 192

C. 210

D. 156

E. None of these

84. What is the ratio of the number of employees in teaching and medical together to the number of employees in acting and engineering together?

A. 30 : 23

B. 36 : 31

C. 37 : 42

D. 40 : 37

E. None of these

85. If the ratio of the number of employees in engineering to that in fashion designing is 9 : 7, then the number of employees in fashion designing is what percent of the number of employees in teaching?

A. 60%

B. 72%

C. 64%

D. 84%

E. 80%

Direction: In the following number series, only one number is wrong. Find out the wrong number.

86.
64, 51, 72, 59, 80, 65, 88
A. 29
B. 42
C. 65
D. 46
E. 31

Direction: In the following number series, only one number is wrong. Find out the wrong number.

87. 6, 3, 5, 8.5, 18, 46, 139
A. 6
B. 3
C. 46
D. 18
E. 139

88. 12, 14, 23, 51, 120, 242, 459
A. 242
B. 14
C. 120
D. 459
E. 23

89. 64, 69, 59, 74, 55, 79, 49
A. 49
B. 69
C. 59
D. 55
E. 64

90. 102, 83, 66, 51, 40, 27, 18
A. 18
B. 51
C. 40
D. 66
E. 102

91. The present age of Anjana is 40% more than that the present age of Rajat. Anjana is 10 years elder than Kamlesh. 10 years ago, Anjana's age was double the age of Prakshi. If the average present age of all four persons is 32.5 years, find the present age of Prakshi.
A. 26 years
B. 30 years

- C. 32 years
D. 25 years
E. 28 years

92. P can do a piece of work in 42 days, while Q can do the same work in 30 days. P and Q together start the work and worked for 14 days and left the work. If the remaining work is done by R in 7 days, find the time taken by R to complete the whole work alone.

- A. 42 days
B. 35 days
C. 30 days
D. 24 days
E. None of these

93. A container contains the milk and water in the ratio of 5 : 4. If 20% of the mixture is taken out and 40 litres of milk added in the mixture, the ratio of the milk to water becomes 7 : 4. Find the quantity of the milk in the final mixture.

- A. 150 litres
B. 125 litres
C. 120 litres
D. 140 litres
E. None of these

94. Train X is running with the speed of 84 km/h and crosses a 320 m long bridge in 24 seconds while train Y is running with the speed of 90 km/h and crosses a tree in 8 seconds. Find the ratio of the length of train X to train Y.

- A. 3 : 2
B. 5 : 4
C. 6 : 5
D. 5 : 3
E. None of these

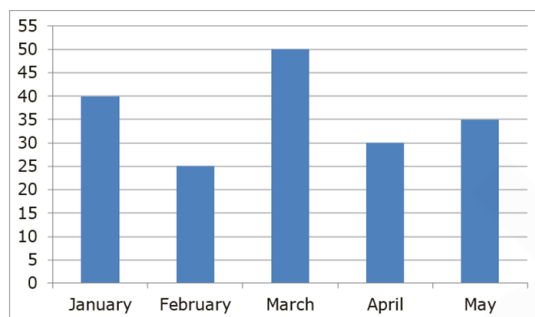
95. Gaurav spends 40% of his salary on rent, 20% on food and 50% of the remaining on transport. After all the expenses he saves Rs. 2700 that is half of the remaining amount after

spending on rent, food and transport.
Find the salary of Gaurav.

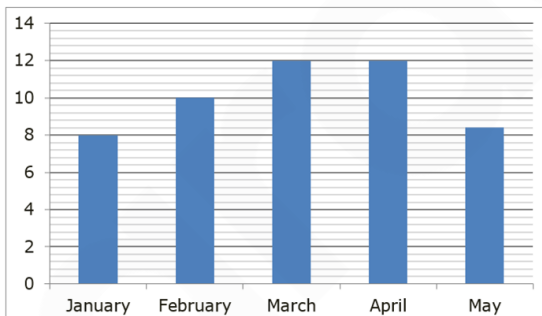
- A. Rs. 25000
- B. Rs. 27000
- C. Rs. 24000
- D. Rs. 30000
- E. None of these

Direction: Study the following information carefully and answer the given question.

The bar graph given below shows the quantity of fruits (in ton) exported by a company in five different months – January, February, March, April and May.



The bar graph given below shows the value (in Lakhs rupees) of the fruits exported by the company in the five different given months.



96.

What is the difference (in lakhs) between the quantity of the fruits exported by company in February and April together and that in March?

- A. 10
- B. 5
- C. 12
- D. 15

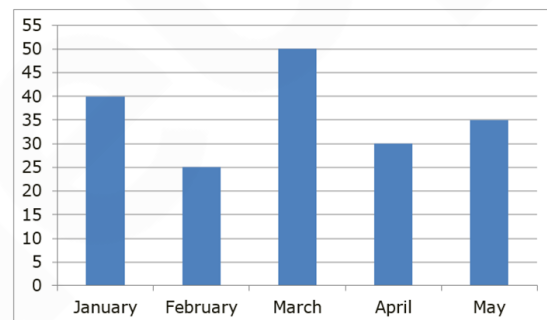
E. 8

97. In which months was the value of the fruit (per ton) the minimum?

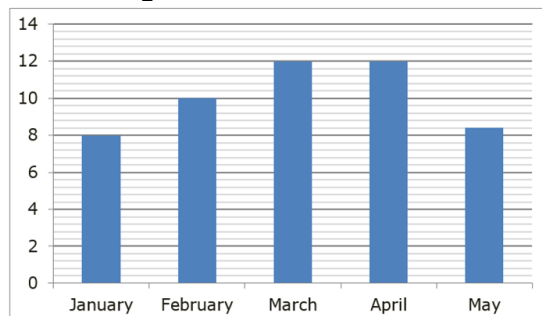
- A. January
- B. March
- C. April
- D. February
- E. May

Direction: Study the following information carefully and answer the given question.

The bar graph given below shows the quantity of fruits (in ton) exported by a company in five different months – January, February, March, April and May.



The bar graph given below shows the value (in Lakhs rupees) of the fruits exported by the company in the five different given months.



98. What is the difference (in thousands) between the value of the fruits (per ton) exported by the company in February and May?

- A. Rs. 12000
- B. Rs. 15000
- C. Rs. 18000

- D. Rs. 16000
E. None of these

99. The value of the fruits (per ton) exported by the company in March is what percent of the value of the fruits (per ton) exported by the company in February?

- A. 40%
B. 60%
C. 75%
D. 80%
E. None of these

100. What was the percentage drop in export quantity from March to April?

- A. 35%
B. 40%
C. 25%
D. 60%
E. 50%

Direction: In the following question two equations are given in variables x and y . You have to solve these equations and determine the relation between x and y .

101.

I. $x^2 - 26x + 153 = 0$

II. $y^2 = 81$

- A. $x > y$
B. $x \leq y$
C. $x < y$
D. $x \geq y$
E. $x = y$ or relationship between x and y can't be established

Direction: In the following question two equations are given in variables x and y . You have to solve these equations and determine the relation between x and y .

102.

I. $x^2 + 29x + 138 = 0$

II. $y^2 - 19y - 92 = 0$

- A. $x > y$
B. $x \leq y$
C. $x < y$
D. $x \geq y$

E. $x = y$ or relationship between x and y can't be established

103.

I. $x^2 + 33x + 252 = 0$

II. $y^2 + 30y + 161 = 0$

- A. $x > y$
B. $x \leq y$
C. $x < y$
D. $x \geq y$
E. $x = y$ or relationship between x and y can't be established

104.

I. $48x^2 - 56x + 15 = 0$

II. $2y^2 + 19y - 91 = 0$

- A. $x > y$
B. $x \leq y$
C. $x < y$
D. $x \geq y$
E. $x = y$ or relationship between x and y can't be established

105.

I. $16x^2 - 18x + 5 = 0$

II. $8y^2 - 37y + 20 = 0$

- A. $x > y$
B. $x \leq y$
C. $x < y$
D. $x \geq y$
E. $x = y$ or relationship between x and y can't be established

106. The perimeter of a square is 24 cm more than the perimeter of a rectangle. The area of the square is 576 cm^2 and the length of the rectangle is 20 cm. What is the area of the rectangle?

- A. 375 cm^2
B. 350 cm^2
C. 360 cm^2
D. 320 cm^2
E. None of these

107. Shiva bought two microaves for Rs. x each. He sold one at 18% profit and the other at 8% loss. If the

overall profit earned by him is Rs. 960 then find the value of x.

- A. 7500
- B. 9600
- C. 8400
- D. 9000
- E. None of these

108. There are 4 yellow, 6 green and 5 red color pens in a bag. If a pen is picked at random, what is the probability of having either a yellow or a red pen?

- A. $\frac{3}{5}$
- B. $\frac{2}{5}$
- C. $\frac{3}{4}$
- D. $\frac{2}{3}$
- E. None of these

109. P invested Rs. X at the rate of 12% per annum on compound interest for two years and gets total interest of Rs. 1908. If P invests Rs. (X + 5000) for two years at the rate of 20%, then what will be simple interest on that investment?

- A. Rs. 5400
- B. Rs. 6000
- C. Rs. 5000
- D. Rs. 6400
- E. None of these

110. The ratio of the income and saving of Manan is 5 : 2 and the income of Ashish is 20% more than the income of Manan. If Ashish saves Rs. 3600 that is 30% of his income, find the expenditure of Manan.

- A. Rs. 7200
- B. Rs. 4800
- C. Rs. 6000
- D. Rs. 4000
- E. None of these

Direction: Read the given passage carefully and answer the questions that follow. Certain words are printed in bold to help you locate them while answering some of the these.

Most online fraud involves identifying theft, which is why businesses that operate on the web have a keen interest in distinguishing impersonators by genuine customers. Passwords help. But many can be guessed or are jotted down imprudently. Newer phones, tablets, laptops and desktop computers often have beefed-up security with fingerprint and facial recognition. But these can be **spoofed**. To overcome these shortcomings, the next level of security is likely to identify people using things which are harder to copy, such as the way they walk.

Many online security services already use a system called device fingerprinting. This employs software to note things like the model type of a gadget **employed** by a particular user; its hardware configuration; its operating system; the apps which have been downloaded onto it; and other features, including sometimes the Wi-Fi networks it regularly connects through and devices like headsets it **plugs into**. The results are sufficient to build a profile of both the device and its user's habits. If something unusual is then spotted—say, a bank detects access to an account from a phone with a different profile from that which a customer usually uses—it can take appropriate measures. For example, additional security questions can be **posed**. But device fingerprinting is becoming less useful. Apple, Google and other makers of equipment and operating systems have been steadily restricting the range of attributes that can be observed remotely. The reason for doing this is to limit the

amount of personal information that could fall into unauthorised hands. But such restrictions also make it harder to distinguish illegitimate from legitimate users.

That is why a new approach, behavioural biometrics, is **gaining ground**. It relies on the wealth of measurements made by today's devices. These include data from accelerometers and gyroscopic sensors that reveal how people hold their phones when using them, how they carry them and even the way they walk. Touchscreens, keyboards and mice can be monitored to show the distinctive ways in which someone's fingers and hands move. Sensors can detect whether a phone has been set down on a hard surface such as a table or dropped lightly on a soft one such as a bed. **If the hour is appropriate, this action could be used to assume when a user has retired for the night.** These traits can then be used to determine whether someone attempting to make a transaction is likely to be the device's habitual user.

Behavioural biometrics can, moreover, **go beyond** verifying a user's identity. It can also detect circumstances in which it is likely that a fraud is being committed. On a device with a keyboard, for instance, a warning sign is when the typing takes on a **staccato** style, with a longer-than-usual finger "flight time" between keystrokes. This, according to Aleksander Kijek, head of product at Nethone, a firm in Warsaw that works out behavioural biometrics for companies that sell things online, is an indication that the device has been hijacked and is under the remote control of a computer program rather than a human typist.

On a device with a touchscreen rather than a keyboard, however, the

reverse is true. Most people type with their thumbs on touchscreens, so flight times between keystrokes are longer. In this case, therefore, it is short flight times which are a signal of something suspicious going on—for example, that a touchscreen device is actually being operated remotely, using the keyboard of a laptop.

Used wisely, behavioural biometrics could be a boon. As Neil Costigan, the boss of BehavioSec, a behavioural-biometrics firm in San Francisco, observes, the software can toil quietly in the background, continuously authenticating account-holders without badgering them for additional passwords, their mother's **maiden** name "and all that nonsense". Used unwisely, however, the system could become yet another electronic spy on people's privacy, permitting complete strangers to monitor your every action, from the moment you reach for your phone in the morning, to when you **fling** it on the floor at night.

Source:

<https://www.economist.com/science-and-technology/2019/05/23/online-identification-is-getting-more-and-more-intrusive>

111.

What makes behavioural biometrics better than regular passwords?

- A. Fingerprints restrict the use of personal use.
- B. Passwords can be guessed through additional security questions.
- C. Behavioural biometrics are unique to a user.
- D. Gyroscopes can copy the way a user walks.
- E. All of the above

112. Which of the following does not account for device fingerprinting?

- A. Hardware configuration of the device.

- B. Frequently visited websites.
- C. Commonly connected devices.
- D. Storing personal information in cloud servers.
- E. Fingerprints of the users.

113. Under which of the given conditions flight-time cannot detect a fraud?

- A. Remotely controlled computer program.
- B. Absence of hardware configuration of the device.
- C. A longer-than-usual finger "flight time" between keystrokes.
- D. Presence of an online typist.
- E. Absence of firms to sell device fingerprinting.

114. According to the passage, which of the following statements would the Neil Costigan most agree with?

- A. Additional security can pose a privacy risk for the user.
- B. Both C & D
- C. Behavioural biometrics allow strangers to authenticate account holders.
- D. Customer engagement should be kept at minimum.
- E. None of the above

115. Which of the following correctly describes the tone of the passage?

- A. Informative
- B. Subjective
- C. Formal
- D. Descriptive
- E. Critical

116. Which of the following statement (s) is/are NOT TRUE in accordance with the information provided in the passage?

- I. Users do not put much thought in framing a password.
- II. Headsets are the most commonly used luxury device.

III. Behavioural biometrics limit the amount of personal information collected from the user.

- A. Only I
- B. Only III
- C. Both II & III
- D. Both I & II
- E. All are correct

117. In this line, "If the hour is appropriate, this action could be used to assume when a user has retired for the night" the author assumes that:

- I. The user has a fixed sleep schedule.
- II. The device is always kept in the same position when the user sleeps.
- III. The device has only one user.

- A. Only I
- B. Only III
- C. Both II & III
- D. Both I & II
- E. All are correct

118. Which of the following words from the passage is most OPPOSITE in meaning to the given word?

- ABSTAINED
- A. Employed
 - B. Staccato
 - C. Posed
 - D. Spoofed
 - E. Fling

119. Which of the following words or phrases as used in the passage can be replaced by the word "connects"?

- A. Go beyond
- B. Plugs into
- C. Maiden
- D. Gaining ground
- E. Reverse

120. The following sentence from the passage is broken into four parts and two parts may contain an error in them. Find out the combination which contains error. If the sentence is free from error mark 'no error'.

Most online fraud involves identifying theft, which (A)/ is why businesses that operate on the web have (B)/ a keen interest in distinguishing (C)/ impersonators by genuine customers. (D)

- A. AB
- B. BC
- C. CD
- D. DA
- E. No error

Direction: In the following passage, there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

Global warming, also referred to as (###Q1###) change, is the observed century-scale rise in the average temperature of the Earth's climate system and its related (###Q2###). Multiple lines of scientific (###Q3###) show that the climate system is warming. Many of the observed changes since the 1950s are unprecedented in the instrumental (###Q4###) record which extends back to the mid-19th century, and in paleoclimate proxy records covering thousands of years. In 2013, the Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report concluded that "It is extremely likely that (###Q5###) influence has been the dominant cause of the observed warming since the mid-20th century." The largest human influence has been the (###Q6###) of greenhouse gases such as carbon dioxide, methane and nitrous oxide. Climate model projections (###Q7###) in the report indicated that during the 21st century, the global (###Q8###)

temperature is likely to rise a further 0.3 to 1.7 °C (0.5 to 3.1 °F) in the lowest emissions scenario, and 2.6 to 4.8 °C (4.7 to 8.6 °F) in the highest emissions (###Q9###). These findings have been recognized by the national science academies of the major industrialized nations and are not (###Q10###) by any scientific body of national or international standing.

121. Find out the appropriate word in each case.

- A. Climate
- B. Weather
- C. Nature
- D. Cycle
- E. Tropical

122. Find out the appropriate word in each case.

- A. Color
- B. Nature
- C. Effects
- D. Length
- E. Power

123. Find out the appropriate word in each case.

- A. Theory
- B. Cause
- C. Solution
- D. Answer
- E. Evidence

124. Find out the appropriate word in each case.

- A. Heat
- B. Temperature
- C. Cold
- D. Wind
- E. Water

125. Find out the appropriate word in each case.

- A. Dog
- B. Wind
- C. Human
- D. Computer

E. Smartphone

126. Find out the appropriate word in each case.

- A. Decrease
- B. Suction
- C. Manufacture
- D. Emission
- E. Control

127. Find out the appropriate word in each case.

- A. Summarised
- B. Forced
- C. Portrayed
- D. Stuck
- E. Accepted

128. Find out the appropriate word in each case.

- A. Narrow
- B. Surface
- C. Human
- D. Potential
- E. Ice

129. Find out the appropriate word in each case.

- A. Length
- B. Capacity
- C. Speed
- D. Scenario
- E. Case

Direction: In the given question, five words are printed in bold and are numbered A, B, C, D and E. The positions of some highlighted words may be incorrect and need to be exchanged with another highlighted to make the sentence correct. Find the words that need to be exchanged.

130. While some countries have recently **retreated** (A) from the world stage amid **nationalist** (B) **fervour** (C), the ease of air travel has created a strong **countercurrent** (D) of travellers looking to learn from other **cultures** (E).

- A. A-E & C-D
- B. No exchange required
- C. B-D
- D. A-C & B-E
- E. C-E

Direction: In the given question, five words are printed in bold and are numbered A, B, C, D and E. The positions of some highlighted words may be incorrect and need to be exchanged with another highlighted to make the sentence correct. Find the words that need to be exchanged.

131. The mayor **urged** (A) local **devastation** (B) to share photos and video footage of the **businesses** (C), which he said would be useful when **requesting** (D) financial help from the **government**. (E)

- A. B-C
- B. No exchange required
- C. A-D & C-E
- D. B-E
- E. A-E

Direction: In the given question, five words are printed in bold and are numbered A, B, C, D and E. The positions of some highlighted words may be incorrect and need to be exchanged with another highlighted to make the sentence correct. Find the words that need to be exchanged.

132. The Indian **creation** (A) and the **entrepreneurship** (B) machinery that supports it do not encourage **bureaucratic** (C) and job **economy** (D) and there is a lot of red tape with crucial reforms still **pending**. (E)

- A. A-E & B-D
- B. A-D
- C. No exchange required
- D. A-D & B-C
- E. A-C & B-E

Direction: In the given question, five words are printed in bold and are

numbered A, B, C, D and E. The positions of some highlighted words may be incorrect and need to be interchanged with another highlighted to make the sentence correct. Find the word(s) that need to be exchanged.

133. **Companies** (A)/ with high market **share** (B)/ often receive better prices from **suppliers** (C), as their **large** (D)/ order volumes increase their **purchasing** (E)/ power.

- A. A-B and C-D
- B. A-B
- C. A-C and B-D
- D. No exchange required
- E. A-B and C-E

Direction: In the given question, five words are printed in bold and are numbered A, B, C, D and E. The positions of some highlighted words may be incorrect and need to be exchanged with another highlighted to make the sentence correct. Find the words that need to be exchanged.

134. The report **found** (A) President Vladimir Putin personally **directed** (B) the Russian **efforts** (C) to hack computer networks and accounts **affiliated** (D) with the Democratic Party and leak information **damaging** (E) to Clinton.

- A. A – E & B – C
- B. A – B & D – E
- C. No exchange required
- D. A – C
- E. C – D

Direction: In the given question, a statement has been divided into five segments, each of which is denoted by (A), (B), (C), (D) and (E). Rearrange all the segments to form a coherent statement.

135.

- A) ocean basins

B) in daily and seasonal climates preceded

C) extreme changes

D) the retreat of the seas

E) back into the major

A. CEDBA

B. ABECD

C. DCEBA

D. DECAB

E. CBDEA

136.

A) became easy

B) once Jane

C) and made a start,

D) writing the essay

E) lifted her pen

A. CEDBA

B. ABECD

C. DCEBA

D. BECDA

E. CBDEA

Direction: In the given question, a statement divided into different segments is given, not necessarily in the correct order. Rearrange the segments to form a coherent statement and mark the correct sequence as your answer.

137.

A) a gesture intended to be sweet,

B) as my friend rushed around attempting to make

C) the living room presentable

D) but it probably turned out to be annoying

E) recently, I dropped by a friend's flat unannounced,

A. DECAB

B. EADCB

C. CAEBD

D. EADBC

E. ABCED

Direction: In the given question, a statement has been divided into five segments, each of which is denoted by (A), (B), (C), (D) and (E).

Rearrange all the segments to form a coherent statement.

138.

- A) as all over the world, wine companies have realised that
 - B) wine tourism is no longer the ramshackle affair it used to be,
 - C) there's money to be made and,
 - D) equally importantly, valuable PR to be communicated
 - E) to attract visitors in increasingly slick and varied ways
- A. BACDE

- B. EADCB
- C. CAEBD
- D. EADBC
- E. ABCED

Direction: In the given question, a statement has been divided into five segments, each of which is denoted by (A), (B), (C), (D) and (E). Rearrange all the segments to form a coherent statement.

139.

- A) on urban spaces in modern India and
- B) cities and towns in the country
- C) it brings together insights on urban spaces
- D) the book is a riveting collection of essays
- E) from different disciplines and covers a range of

- A. DECAB
- B. DACEB
- C. CABED
- D. BAEDC
- E. ABCED

Direction: In the given question, a part of the sentence is printed in bold. Below the sentence, alternatives to the emboldened part are given as (A), (B), (C) and (D), which may help improve the sentence. Choose the correct alternative out of the given five options. In case the given

sentence is correct, your answer will be option (E), i.e., "No correction required".

140. To ensure absolute transparency, the **law was making** it compulsory for the parties to maintain accounts of the receipt of funds and expenditure in a systematic and regular way.

- A. law should make
- B. law would make
- C. law will made
- D. law can making
- E. No correction required

Direction: In the given question, a part of the sentence is printed in bold. Below the sentence, alternatives to the bold part are given at (A), (B), (C) and (D) which may help improve the sentence. Choose the correct alternative. In case the given sentence is correct and needs no improvement, your answer is (E), i.e., 'No correction required'.

141. The basis of the **regulatory was not in** dispute, and the impossibility of an exact fit is also not in dispute.

- A. Regulation is not on
- B. Regulatory is not in
- C. Regulation is not in
- D. Regulation will not in
- E. No correction required

Direction: In the given question, a part of the sentence is printed in bold. Below the sentence, alternatives to the emboldened part are given as (A), (B), (C) and (D), which may help improve the sentence. Choose the correct alternative out of the given five options. In case the given sentence is correct, your answer will be option (E), i.e., "No correction required".

142. Political parties are essential ingredients of elections in a

parliamentary representative democracy.

- A. Representatives parliamentary democracy
- B. Representative parliament democracy
- C. Representative parliamentary democracy
- D. Democracy parliamentary represents
- E. No correction required

Directions: In the given question, a part of the sentence is printed in bold. Below the sentence, alternatives to the emboldened part are given as (A), (B), (C) and (D), which may help improve the sentence. Choose the correct alternative out of the given five options. In case the given sentence is correct, your answer will be option (E), i.e., "No correction required".

143. The minimum number of valid votes polled should be increased to 25% from the current 16.67% as a condition for the **deposit not being** forfeited.

- A. Deposit not be
- B. Deposits not being
- C. Being not deposits
- D. Being deposits not
- E. No correction required

Direction: Read the following sentence to find out if there is any error in it. The sentence is divided into four parts. The option containing the part of the sentence containing an error is the answer. If the given sentence is correct as it is, mark E, i.e., 'No error' as the answer. Ignore the errors of punctuation if any.

144. SEBI has recently issued (1)/ show cause notices to some (2)/ insurance companies seeking its explanation for not (3)/ complying with certain norms. (4)

- A. 1

- B. 2
- C. 3
- D. 4
- E. No error

Direction: Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as given, mark option E, i.e. "No error" as the answer. Ignore the errors of punctuation.

145. During the age of globalization which (1)/ many rich and fortunate urban children are (2)/ becoming technologically savvy, their rural counter parts (3)/ do not know much even about computers. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. No error

Direction: Read the following sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation if any.

146.

Many of (1)/ the households in urban areas (2)/ are blessed with (3)/ technological advancements. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. No Error

Direction: Read the given sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the

sentence. If the sentence is correct, mark 'No error' as the answer.

147. The one who hears the truth and understands (1)/ it immediately is far better of (2)/ than the fools who spend (3)/ hundreds of years thinking about it. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. No error

Direction: Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.

148. The consummate leader cultivates (1)/ the moral law, and strictly adhere (2)/ to method and discipline; thus it is (3)/ in his power to control success. (4)

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5 No error

Direction: A sentence with one blank is given, indicating that something has been omitted. Choose the word that best fits in the blank making the sentence grammatically correct and meaningful.

149. A _____ of sweat coated his body, and his white-blond hair was back in a braid.

- A. Sheen
- B. Feirce
- C. Squabble
- D. Rivalry
- E. None of these

Direction: A sentence with one blank is given, indicating that something

has been omitted. Choose the word that best fits the blank appropriately.

150. Hollywood studios are challenging the _____ tradition of the release of a film.

- A. Likeable
- B. Animated
- C. Sacrosanct
- D. Graceful
- E. Exciting

151. Who will chair the Expert Committee constituted by the NITI Aayog to explore the technological and commercial viability of the Virgin Hyperloop technology for ultrahigh speed travel in India?

- A. Sudhendu Jyoti Sinha
- B. VK Yadav
- C. G. Satheesh Reddy
- D. VK Saraswat
- E. Dr. Mangu Singh

152. Fino Payments Bank is the fourth payments bank to commence operation in India. Where is the headquarter of Fino Payments Bank located?

- A. New Delhi
- B. Mumbai
- C. Chennai
- D. Kolkata
- E. Bengaluru

153. Who is CEO of National Payments Corporation of India?

- A. Dilip Asbe
- B. Amitabh Kant
- C. Rajiv Kumar
- D. Anant Kumar
- E. None of these

154. What is the full form of CASA?

- A. Capital Account Saving Account
- B. Current Account Saving Account
- C. Capital Adequacy Sovereign Account
- D. Current Account Soviet Account
- E. None of these

155.What is current Bank Rate?

- A. 8.5%
- B. 8%
- C. 7.5%
- D. 7%
- E. 4.65%

156.In accordance with the vision of the Ministry of Housing and Urban Affairs (MoHUA) which bank has launched a new indigenous RuPay debit card- National Common Mobility Card(NCMC)?

- A. Yes Bank
- B. IndusInd Bank
- C. Karnataka Bank
- D. ICICI Bank
- E. HDFC Bank

157.Where is the headquarters of the Bank for International Settlements (BIS) located?

- A. Hong Kong
- B. Vienna
- C. Mexico City
- D. Basel
- E. Antwerp

158.What will be the rate of interest in the "Sovereign Gold Bond Scheme 2020-21" to be launched by the RBI on behalf of GoI?

- A. 1.50 per cent
- B. 2.00 per cent
- C. 2.50 per cent
- D. 3.00 per cent
- E. 3.50 Per cent

159.Which two countries have been re-elected as the President and Co-President of the International Solar Alliance (ISA), for a term of two years?

- A. India and France
- B. Indonesia and Sri Lanka
- C. Sri Lanka and France
- D. Germany and Japan
- E. Spain and India

160.Who is the present chairman of Insolvency and Bankruptcy Board of India (IBBI)?

- A. Mr. M S Sahoo
- B. Mr. Nikhil Shah
- C. Mr. Viral Acharya
- D. Mr. T.K. Vishwanathan
- E. Mr. Anuj Jain

161.Which Tiger Reserve received the first-ever international award, TX2, for doubling the number of tigers in four years against a target of 10 years?

- A. Pilibhit Tiger Reserve
- B. Kaziranga Tiger Reserve
- C. Bandipur Tiger Reserve
- D. Panna Tiger Reserve
- E. Sariska Tiger Reserve

162.Who has been appointed as the Chairman of the Telecom Regulatory Authority of India?

- A. Neetu David
- B. Rajat Sud
- C. PD Vaghela
- D. AK Dikshit
- E. Raj Shrivastav

163.What is the tagline of Bank of India?

- A. Relationship Beyond Banking
- B. India's International Bank
- C. One Family One Bank
- D. Together We Can
- E. The Bank that begins with U

164.Country's longest road bridge across the river Brahmaputra will connect _____.

- A. Guwahati, Assam to Shillong, Meghalaya
- B. Dhubri, Assam to Phulbari, Meghalaya
- C. Dibrugarh, Assam to Tura, Meghalaya
- D. Guwahati, Assam to Aizawl, Mizoram

E. None of these

165.What is the full form of MIBOR?

- A. Multiple Interbank Offer Rate
- B. Marginal Interbank Offer Rate
- C. Mumbai Interbank Offer Rate
- D. Marginal International Offering Rate
- E. None of these

166.Government decided to disinvestment in which least revenue generation company?

- A. NTPC
- B. Air India
- C. Indian Oil
- D. NGC
- E. SAIL

167.Which Indian looking to end its partnership with AirAsia Bhd as it only wants to be engaged in one airline business, Vistara, the joint venture with Singapore Airlines (SIA)?

- A. Tata Sons
- B. L & T
- C. Reliance
- D. Mahindra and Mahindra
- E. None of these

168.What is 'N' stands for in "YONO App"?

- A. Net
- B. Now
- C. National
- D. Need
- E. Nominal

169.The Reserve Bank of India will evaluate the impact of multi-media public awareness campaign 'RBI Kehta Hai', which was launched in _____.

- A. 8 Languages
- B. 10 Languages
- C. 14 Languages
- D. 18 Languages
- E. 22 Languages

170.Which is the least interest generated bank account?

- A. Savings Account
- B. Fixed Deposit Account
- C. Recurring Account
- D. Current Account
- E. None of these

171.What is the theme of the World City Day 2020?

- A. Valuing Our Communities and Cities
- B. Changing the World: Innovations and Better Life for Future Generations
- C. Building sustainable and resilient cities
- D. Better City, Better Life
- E. None of these

172.Sovereign Gold Bond Scheme was launched in _____.

- A. November 2014
- B. November 2015
- C. November 2016
- D. November 2017
- E. November 2018

173.Bombay Stock Exchange is an exchange of how many companies?

- A. 1000
- B. 2000
- C. 3000
- D. 4000
- E. 6000

174.Which of the following becomes the largest issuer of FASTags at 3 million?

- A. Paytm Payments Bank
- B. Axis Bank
- C. ICICI Bank
- D. State Bank of India
- E. HDFC Bank

175.The father of Indian IT industry, Faqir Chand Kohli, who passed away recently was associated with which IT company?

- A. Wipro

- B. Infosys
- C. Tata Consultancy Services (TCS)
- D. HCL Technologies
- E. Tech Mahindra

176. Dihing Patkai becomes 7th National Park of which state?

- A. Assam
- B. Meghalaya
- C. Sikkim
- D. Arunachal Pradesh
- E. Manipur

177. Which bank was merged with Indian Bank?

- A. Syndicate Bank
- B. Allahabad Bank
- C. Andhra Bank
- D. Canara Bank
- E. Bank of Maharashtra

178. If the risk of losses under Basel Norm III in on balance sheet and off-balance sheet positions arising from movements in market prices, it is known as _____

- A. Market risk
- B. Operational risk
- C. Pricing risk
- D. Credit risk
- E. Liquidity risk

179. Which of the following countries takes over the chairmanship of the Group of 77 (G77) for the year 2020?

- A. South Africa
- B. Ghana
- C. Guyana
- D. Niger
- E. Philippines

180. The Punjab National Bank Housing Finance (PNBHF) has signed an agreement with which two agencies to raise USD 100 million to provide loans to affordable housing segment?

- A. Japan International Cooperation Agency (JICA) and Citibank

- B. Asian Development Bank and Citibank

C. Asian Infrastructure Investment Bank and Citibank

- D. World Bank and Japan International Cooperation Agency (JICA)

- E. None of these

181. MyMSME Mobile App has been launched by which of the following?

- A. Ministry of Education
- B. Ministry of Electronics and information technology
- C. Ministry of Micro, Small and Medium Enterprises
- D. Ministry of Agriculture & Farmers Welfare
- E. Ministry of Commerce and Industry

182. Who has been appointed as the administrator of the crisis-ridden Laxmi Vilas Bank by the Reserve Bank of India?

- A. T. N. Manoharan
- B. Prashant Kumar
- C. RA Sankara Narayanan
- D. Mrutyunjay Mahapatra
- E. Atanu Kumar Das

183. Which bank partnered with NPCI to launch a rewards programme?

- A. Oriental Bank of Commerce
- B. SVC Co-operative Bank
- C. Saraswat Bank
- D. Cosmos Bank
- E. South Indian Bank

184. What is the theme of Vigilance Awareness Week 2020?

- A. Integrity- A way of life
- B. Vigilant India - Prosperous India
- C. Eradicate Corruption – Build a New India
- D. My Vision - Corruption Free India
- E. No Corruption - More Development

185. Which of the following ministries has launched 'e-Dharti Geo Portal'?

- A. Ministry of Earth Sciences
- B. Ministry of Housing and Urban Affairs
- C. Ministry of Home Affairs
- D. Ministry of Agriculture & Farmers Welfare
- E. Ministry of External Affairs

186. Which of the following is also known as recession inflation?

- A. Hyper-Inflation
- B. Stagflation
- C. Core Inflation
- D. Reflation
- E. Headline Inflation

187. Which of the following methods are not used by RBI to control inflation?

- A. RBI may increase the bank rates/repo rates to curb the supply of money in the market resulting in controlled inflation
- B. RBI can resort to Open Market Operations for controlling inflation
- C. Decreasing income tax can curb inflation
- D. Lowering government spending can curb inflation
- E. None of the above

188. Who will head 14-members panel constituted by the NITI Aayog to look into introducing reforms in the urban planning education system?

- A. Amitabh Kant
- B. Rajiv Kumar
- C. V.K. Saraswat
- D. Ramesh Chand
- E. VK Paul

189. What is the revised base year of the Consumer Price Index for Industrial Workers (CPI-IW) earlier which was 2001?

- A. 2010
- B. 2012
- C. 2014
- D. 2016

E. 2020

190. Recently, the Mumbai police registered a TRP scam case against certain news channel after ratings agency BARC filed a complaint with the police. What is the full form of BARC?

- A. Broadcast Audience Research Council
- B. Broadcast Association Research Council
- C. Bureau of Audience Research Council
- D. Broadcasting Agency of Radio Council
- E. None of these

191. In coordination with which state the Bureau of Energy Efficiency (BEE) has launched "Go Electric" campaign?

- A. Delhi
- B. Tamil Nadu
- C. Maharashtra
- D. Andhra Pradesh
- E. Karnataka

192. Which bank has launched 'Mine' a comprehensive banking programme for its millennial customers?

- A. Yes Bank
- B. ICICI Bank
- C. HDFC Bank
- D. Axis Bank
- E. IndusInd Bank

193. Which credit card provider partnered with Paytm and Visa to launch contactless co-branded credit cards, India's next generation credit cards?

- A. ICICI Bank
- B. HDFC Bank
- C. SBI Card
- D. American Express
- E. Standard Chartered Bank

194. CARAT is a joint Naval Exercise conducted between which two countries?

- A. Australia and Bangladesh
- B. USA and Bangladesh
- C. India and Sri Lanka
- D. Australia and Japan
- E. Singapore and Australia

195. Who will be the chairman of the committee constituted by the Ministry of Information and Broadcasting to review "Guidelines on Television Rating Agencies in India"?

- A. PD Vaghela
- B. RS Sharma
- C. Amit Khare
- D. Shashi S Vempati
- E. Anita Chugh

196. Which Arabian country to go for first national election?

- A. Qatar
- B. Saudi Arabia
- C. Oman
- D. Kuwait
- E. UAE

197. Who has been elected as the 30th President of Inter Parliamentary Union (IPU) for a three-year term of 2020-2023?

- A. Muhammad Sanjrani
- B. Duarte Pacheco
- C. Akmal Saidov
- D. Salma Ataullahjan
- E. Poonamben Hematbhai Maadam

198. India's first "Tyre Park" will be established in which city?

- A. Mumbai
- B. Kolkata
- C. Delhi
- D. Hyderabad
- E. Bengaluru

199. India's first solar-powered miniature train launched in which state of India?

- A. Kerala
- B. Karnataka
- C. Madhya Pradesh

- D. Rajasthan
- E. Gujarat

200. Which one of the following is not considered as the Priority Sector?

- A. Agriculture
- B. MSMEs
- C. Housing
- D. Education
- E. Corporate

201. The Third Generation Computer was made with ____.

- A. Vacuum Tube
- B. Discrete Components
- C. Integrated circuits
- D. Bio Chips
- E. None of these

202. The shortcut Key Ctrl + R is used in Excel to ____.

- A. Right align the content of cell
- B. Remove the cell contents of selected cells
- C. Fill the selection with active cells to the right
- D. Select multiple rows
- E. None of these

203. The computer's processor consists of which of the following parts?

- A. CPU and Main Memory
- B. Hard Disk and Floppy Drive
- C. Main Memory and Storage
- D. Operating system and Applications
- E. Control Unit and ALU

204. Which of the following transactions requires maximum security?

- A. Error correction codes
- B. Master file manipulation
- C. Batch control/transactions
- D. Normal transactions
- E. None of these

205.

In shortcut, Shift+ Delete is used to_____.

- A. Delete the select item permanently without replacing the item in the Recycle bin
- B. Copy the selected item
- C. Rename the selected item
- D. Create a shortcut to the selected item
- E. None of these

206.Decimal equivalent of $(1111)_2 =$

- A. 11
- B. 10
- C. 1
- D. 15
- E. 13

207.Which protocol provides e-mail facility among different hosts?

- A. FTP
- B. SMTP
- C. TELNET
- D. SNMP
- E. None of these

208.A graph is a collection of _____.

- A. Row and columns
- B. Vertices and edges
- C. Equations
- D. Identity
- E. None of these

209._____ is one reason for problems of data integrity.

- A. Data availability constraints
- B. Data inconsistency
- C. Security constraints
- D. Unauthorised access of data
- E. Data redundancy

210.Which of the following uses a handheld operating system?

- A. supercomputer
- B. personal computer
- C. Laptop
- D. Personal Digital Assistant
- E. None of these

211.Computer memory that temporarily stores information is called the_____

- A. RAM
- B. CPU
- C. ROM
- D. IBM
- E. None of these

212.When you visit certain web sites spyware may be automatically downloaded. This is called a_____.

- A. Drive-by download
- B. Logic bomb
- C. Virus
- D. Drive-in download
- E. Spybot

213.Which is the following shortcut key is used to checking spelling?

- A. F1
- B. F2
- C. F7
- D. F9
- E. None of these

214.What database key uniquely identifies a record within a table?

- A. Primary key
- B. Foreign key
- C. Secondary key
- D. Relational key
- E. None of these

215.Bridge works in which layer of the OSI model?

- A. Transport layer
- B. Application layer
- C. Data link layer
- D. Network lay
- E. None of theses

216.Which of the following places the common data elements in order from smallest to largest?

- A. Character, file, record, field, database
- B. Character, record, field, file, database

- C. Character, field, record, file, database
- D. Bit, byte, character, record, field, file, database
- E. None of the above

217. Packet transmission is related to _____.

- A. Application layer
- B. Data link layer
- C. Network layer
- D. Transport layer
- E. None of these

218. What does MICR stand for?

- A. Magnetic Ink Character Register
- B. Magnetic Ink Code Reader
- C. Magnetic Ink Code Register
- D. Magnetic Ink Character Recognition
- E. Magnetic Ink Cases Reader.

219. A _____ is pre-designed document that already has coordinating fonts, a layout, and a background.

- A. guide
- B. model
- C. ruler
- D. template
- E. design-plate

220. _____ is a measure of how much the strength of the signal is reduced in passing through a medium.

- A. Frequency
- B. Bandwidth
- C. Attenuation
- D. Amplification
- E. None of these

221. A goal of normalization is to _____.

- A. minimize the number of relationships
- B. minimize the number of entities
- C. minimize the number of tables

- D. minimize the number of redundancy
- E. None of these

222. The script which is designed to receive value from the web users is _____.

- A. Web script
- B. Power C91 script
- C. Java script
- D. All of the above
- E. None of these

223. _____ is a full form of SQL.

- A. Standard query language
- B. Sequential query language
- C. Structured query language
- D. Server side query language
- E. None of these

224. Diagrammatic or symbolic representation of an algorithm is called _____.

- A. Data-Flow diagram
- B. E-R diagram
- C. Flowchart
- D. Software
- E. None of these

225. _____ is responsible for overall control and co-ordination of instruction execution.

- A. CPU
- B. ALU
- C. RAM
- D. Control Unit
- E. None of these

226. What is the full form of RTF?

- A. Richer Text Formatting
- B. Rich Text Format
- C. Right Text Fishing
- D. Right Text Font
- E. None of these

227. An output device that lets you see what the computer is doing is _____.

- A. A disk drive

- B. Monitor-screen
- C. Shift key
- D. Printer
- E. None of these

228.DSL is an example of a(n) _____ connection.

- A. network
- B. wireless
- C. slow
- D. broadband
- E. None of these

229.The word FTP stands for_____.

- A. File Transfer Protection
- B. File Transit Protocol
- C. File Typing Protocol
- D. File Transfer Protocol
- E. None of these

230.Hardware devices that are not part of the main computer system and are often added later to the system are_____.

- A. clip art
- B. Highlight
- C. Execute
- D. peripherals
- E. None of these

231._____ programs are automatically loaded and operates as a part of browser.

- A. Utilities
- B. Add-ons
- C. Widgets
- D. Plug-ins
- E. None of these

232.The process of trading goods over the Internet is known as_____.

- A. e-selling-n-buying
- B. e-trading
- C. e-finance
- D. e-salesmanship
- E. e-commerce

233.'Each packet contains the full source and destination address'. This

statement indicates which of the following?

- A. Virtual circuit
- B. Datagram
- C. Data link
- D. FDDI
- E. None of these

234.Vertical space between lines of text in document is called_____.

- A. double space
- B. line gap
- C. single space
- D. vertical spacing
- E. line space

235.What happens when operating system is loaded in RAM?

- A. Copying
- B. Device driving
- C. Booting
- D. Multitasking
- E. None of these

236.A word in a web page that, when clicked, _____ opens _____ another document_____.

- A. Anchor
- B. Hyperlink
- C. Reference
- D. URL
- E. None of these

237._____ allows wireless mobile devices to access the Internet and its services such as the Web and e-mail.

- A. TCP/IP
- B. Ethernet
- C. WAP
- D. Token ring
- E. None of these

238.FTP is better than HTTP because _____.

- A. It uses separate channels for data transmission and flow control
- B. It transfers data from the web server

- C. It transfers data from the file server
- D. It copies files to the user's hard disk in the destination specified by the user
- E. None of these

239. A button that makes character either upper or lower case and numbers to symbols

- A. Monitor
- B. Shift key
- C. Icon

- D. Mouse
- E. None of these

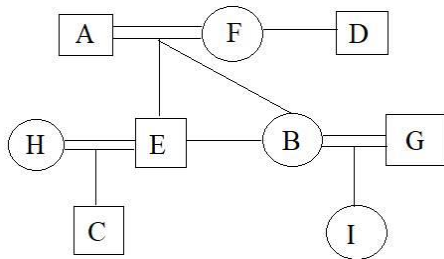
240. A tuple is a _____.

- A. Column of a temple
- B. Two dimensional table
- C. Row of a table
- D. Key of a table
- E. None of these

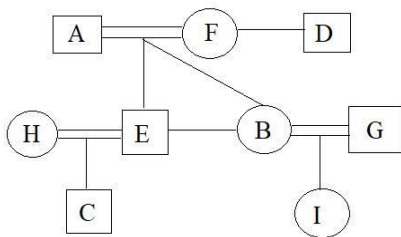


###ANSWERS###

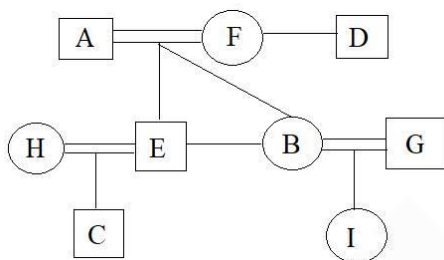
1. Ans. D.



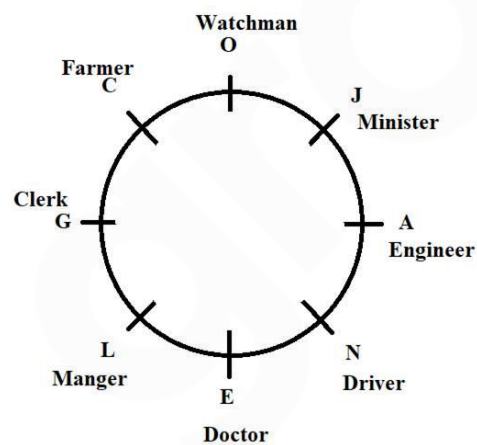
2. Ans. B.



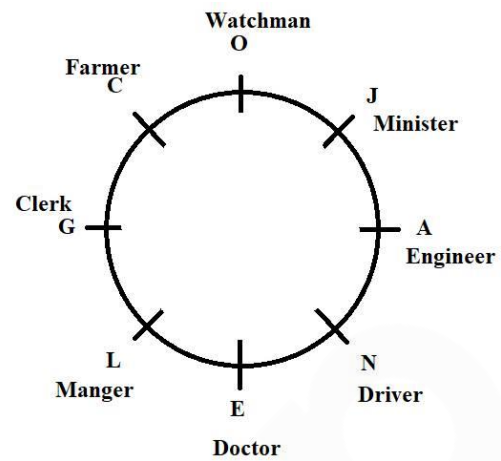
3. Ans. A.



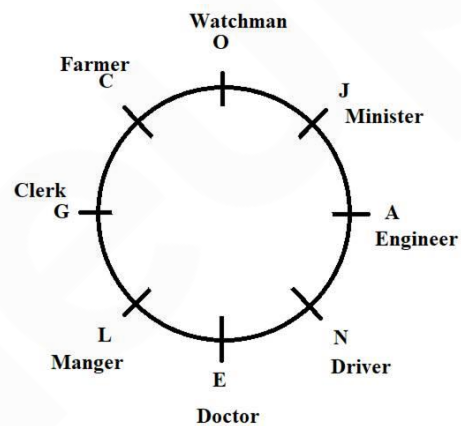
4. Ans. A.



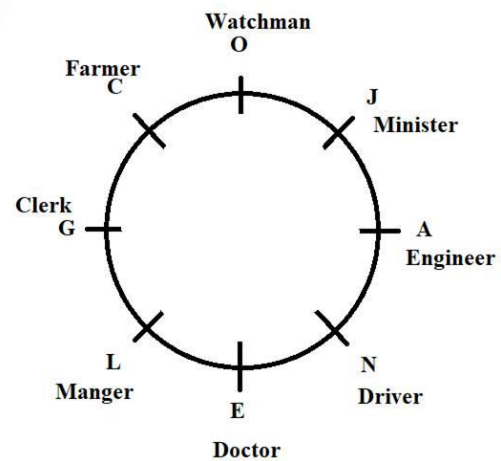
5. Ans. A.



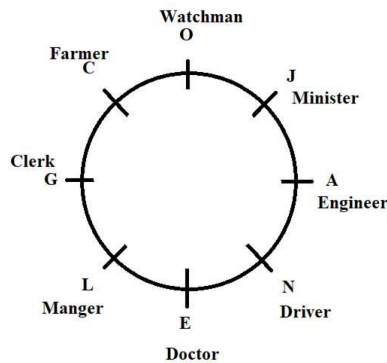
6. Ans. B.



7. Ans. D.



8. Ans. C.



9. Ans. D.

Both are false.

10. Ans. E.

Both are true.

11. Ans. D.

Both are false.

12. Ans. A.

Only A is true.

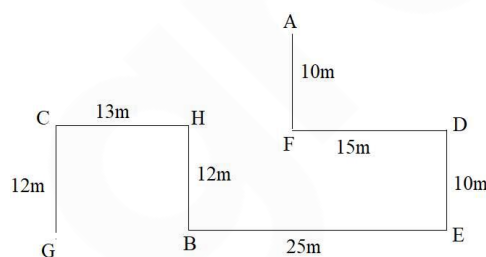
13. Ans. B.

Only B is true.

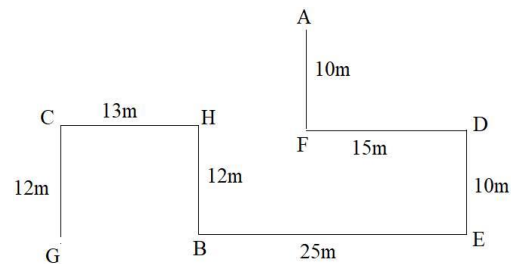
14. Ans. C.

E A G E R E S T
F B F F Q F R S
B F F F F Q R S

15. Ans. C.

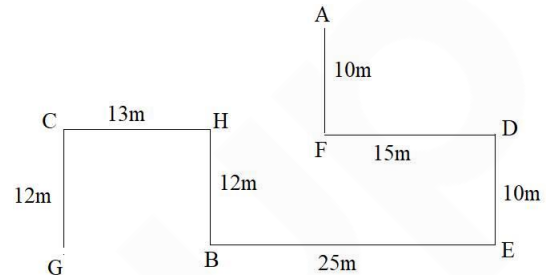


16. Ans. C.



17. Ans. B.

$$EG = BE + BG = 25 + 13 \text{ m} = 38 \text{ m}$$



18. Ans. E.

Persons: S, K, E, M, Z, Q, P and H

Sports: Table tennis, Basketball, Cricket, Volleyball and Badminton

Localities: L1, L2 and L3

1) Z stays in L1 and plays Basketball and her friend K, who plays Table Tennis stays in L3.

2) E plays Cricket, stays in L2 and his friend H plays Table Tennis and stays in L1 with only one of the other persons.

Here, we are getting that only H and Z live in L1.

Person	Gender	Locality	Sports
S			
K		L3	Table Tennis
E	M	L2	Cricket
M			
Z	F	L1	Basketball
Q			
P			
H		L1	Table Tennis

3) S plays Basketball, and stays with P, who plays Cricket.

4) No two people who plays the same sports stay together.

Here, E plays cricket and he stays in L2, so P stays in L3 with S.

Person	Gender	Locality	Sports
S		L3	Basketball
K		L3	Table Tennis
E	M	L2	Cricket
M			
Z	F	L1	Basketball
Q			
P		L3	Cricket
H		L1	Table Tennis

5) Not more than three of the people stay in L3.

6) No female plays Volleyball or Badminton.

7) Two of them play Table tennis, two play Basketball, two play Cricket and one plays Volleyball and one plays Badminton.

Here, K and H plays Table Tennis, S and Z play Basketball, E and P play cricket.

Person	Gender	Locality	Sports
S		L3	Basketball
K		L3	Table Tennis
E	M	L2	Cricket
M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P		L3	Cricket
H		L1	Table Tennis

8) Two are female and they live in different localities and play different sports.

Here, H will be male as Z is a female staying in L1 and S will be male as both are playing Basketball.

Person	Gender	Locality	Sports
S	M	L3	Basketball
K	M/F	L3	Table Tennis
E	M	L2	Cricket
M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P	M/F	L3	Cricket
H	M	L1	Table Tennis

9) One of the women plays Cricket.

Final Arrangement:

Person	Gender	Locality	Sports
S	M	L3	Basketball
K	M	L3	Table Tennis
E	M	L2	Cricket
M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P	F	L3	Cricket
H	M	L1	Table Tennis

Hence, either M or Q plays Volleyball.

19. Ans. B.

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M			
Z	F	L1	Basketball
Q			
P			
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P	M/F	L3	Cricket
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M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P	F	L3	Cricket
H	M	L1	Table Tennis

Hence, M lives in L2 locality.

20. Ans. C.

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E	M	L2	Cricket
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Z	F	L1	Basketball
Q			
P			
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Q			
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Here, K and H plays Table Tennis, S and Z play Basketball, E and P play cricket.

Person	Gender	Locality	Sports
S		L3	Basketball
K		L3	Table Tennis
E	M	L2	Cricket
M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P		L3	Cricket
H		L1	Table Tennis

8) Two are female and they live in different localities and play different sports.

Here, H will be male as Z is a female staying in L1 and S will be male as both are playing Basketball.

Person	Gender	Locality	Sports
S	M	L3	Basketball
K	M/F	L3	Table Tennis
E	M	L2	Cricket
M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P	M/F	L3	Cricket
H	M	L1	Table Tennis

9) One of the women plays Cricket.

Final Arrangement:

Person	Gender	Locality	Sports
S	M	L3	Basketball
K	M	L3	Table Tennis
E	M	L2	Cricket
M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P	F	L3	Cricket
H	M	L1	Table Tennis

Hence, P is a female.

21. Ans. E.

Persons: S, K, E, M, Z, Q, P and H
Sports: Table tennis, Basketball, Cricket, Volleyball and Badminton
Localities: L1, L2 and L3

1) Z stays in L1 and plays Basketball and her friend K, who plays Table Tennis stays in L3.

2) E plays Cricket, stays in L2 and his friend H plays Table Tennis and stays in L1 with only one of the other persons.

Here, we are getting that only H and Z live in L1.

Person	Gender	Locality	Sports
S			
K		L3	Table Tennis
E	M	L2	Cricket
M			
Z	F	L1	Basketball
Q			
P			
H		L1	Table Tennis

3) S plays Basketball, and stays with P, who plays Cricket.

4) No two people who plays the same sports stay together.

Here, E plays cricket and he stays in L2, so P stays in L3 with S.

Person	Gender	Locality	Sports
S		L3	Basketball
K		L3	Table Tennis
E	M	L2	Cricket
M			
Z	F	L1	Basketball
Q			
P		L3	Cricket
H		L1	Table Tennis

5) Not more than three of the people stay in L3.

6) No female plays Volleyball or Badminton.

7) Two of them play Table tennis, two play Basketball, two play Cricket and one plays Volleyball and one plays Badminton.

Here, K and H plays Table Tennis, S and Z play Basketball, E and P play cricket.

Person	Gender	Locality	Sports
S		L3	Basketball
K		L3	Table Tennis
E	M	L2	Cricket
M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P		L3	Cricket
H		L1	Table Tennis

8) Two are female and they live in different localities and play different sports.

Here, H will be male as Z is a female staying in L1 and S will be male as both are playing Basketball.

Person	Gender	Locality	Sports
S	M	L3	Basketball
K	M/F	L3	Table Tennis
E	M	L2	Cricket
M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P	M/F	L3	Cricket
H	M	L1	Table Tennis

9) One of the women plays Cricket.

Final Arrangement:

Person	Gender	Locality	Sports
S	M	L3	Basketball
K	M	L3	Table Tennis
E	M	L2	Cricket
M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P	F	L3	Cricket
H	M	L1	Table Tennis

Hence, Q - L2 is the correct pair.

22. Ans. B.

Persons: S, K, E, M, Z, Q, P and H
Sports: Table tennis, Basketball, Cricket, Volleyball and Badminton
Localities: L1, L2 and L3

1) Z stays in L1 and plays Basketball and her friend K, who plays Table Tennis stays in L3.

2) E plays Cricket, stays in L2 and his friend H plays Table Tennis and stays in L1 with only one of the other persons.

Here, we are getting that only H and Z live in L1.

Person	Gender	Locality	Sports
S			
K		L3	Table Tennis
E	M	L2	Cricket
M			
Z	F	L1	Basketball
Q			
P			
H		L1	Table Tennis

3) S plays Basketball, and stays with P, who plays Cricket.

4) No two people who plays the same sports stay together.

Here, E plays cricket and he stays in L2, so P stays in L3 with S.

Person	Gender	Locality	Sports
S		L3	Basketball
K		L3	Table Tennis
E	M	L2	Cricket
M			
Z	F	L1	Basketball
Q			
P		L3	Cricket
H		L1	Table Tennis

5) Not more than three of the people stay in L3.

6) No female plays Volleyball or Badminton.

7) Two of them play Table tennis, two play Basketball, two play Cricket and one plays Volleyball and one plays Badminton.

Here, K and H plays Table Tennis, S and Z play Basketball, E and P play cricket.

Person	Gender	Locality	Sports
S		L3	Basketball
K		L3	Table Tennis
E	M	L2	Cricket
M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P		L3	Cricket
H		L1	Table Tennis

8) Two are female and they live in different localities and play different sports.

Here, H will be male as Z is a female staying in L1 and S will be male as both are playing Basketball.

Person	Gender	Locality	Sports
S	M	L3	Basketball
K	M/F	L3	Table Tennis
E	M	L2	Cricket
M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P	M/F	L3	Cricket
H	M	L1	Table Tennis

9) One of the women plays Cricket.
Final Arrangement:

Person	Gender	Locality	Sports
S	M	L3	Basketball
K	M	L3	Table Tennis
E	M	L2	Cricket
M	M	L2	Volleyball/Badminton
Z	F	L1	Basketball
Q	M	L2	Volleyball/Badminton
P	F	L3	Cricket
H	M	L1	Table Tennis

Hence, one of the persons who stays in L2 plays Volleyball.

23. Ans. A.

Words	Coded
SKY	kl
CLOUD	dc
RAIN	nr
WHITE	te
BLUE	be
BOW	wx
GREEN	gy

24. Ans. B.

Words	Coded
SKY	kl
CLOUD	dc
RAIN	nr
WHITE	te
BLUE	be
BOW	wx
GREEN	gy

25. Ans. D.

Words	Coded
SKY	kl
CLOUD	dc
RAIN	nr
WHITE	te
BLUE	be
BOW	wx
GREEN	gy

26. Ans. C.

The code *te* is known as "WHITE".

Words	Coded
SKY	kl
CLOUD	dc
RAIN	nr
WHITE	te
BLUE	be
BOW	wx
GREEN	gy

27. Ans. C.

Words	Coded
SKY	kl
CLOUD	dc
RAIN	nr
WHITE	te
BLUE	be
BOW	wx
GREEN	gy

28. Ans. D.

1st, 3rd, 4th and 8th letters of the word TENTACLES are T, N, T and E.
The words are TENT and NETT.

29. Ans. B.

	D	C	B	E	A	F
Row 1	+	+	+	+	+	+
Row 2	+	+	+	+	+	+
	P	O	L	M	Q	N

30. Ans. A.

	D	C	B	E	A	F
Row 1	+	+	+	+	+	+
Row 2	+	+	+	+	+	+
	P	O	L	M	Q	N

31. Ans. B.

	D	C	B	E	A	F
Row 1	+	+	+	+	+	+
Row 2	+	+	+	+	+	+
	P	O	L	M	Q	N

32. Ans. C.

	D	C	B	E	A	F
Row 1	+	+	+	+	+	+
Row 2	+	+	+	+	+	+
	P	O	L	M	Q	N

33. Ans. B.

	D	C	B	E	A	F
Row 1	+	+	+	+	+	+
Row 2	+	+	+	+	+	+
	P	O	L	M	Q	N

34. Ans. C.

Given,

Input: 3456 6576 2987 2387 5176
7852

Step I: 711 1113 1115 515 613 157

Step II: 72 33 35 101 613 157

Step III: 9 6 8 2 10 13
Step IV: 18 12 16 04 20 26

Following the same rules,

Input: 2356 7654 1288 2376 1209
2356 9865

Step I: 511 139 316 513 39 511 1711

Step II: 52 139 316 513 39 52 172

Step III: 7 13 10 09 12 07 10

Step IV: 14 26 20 18 24 14 20

35. Ans. B.

Given,

Input: 3456 6576 2987 2387 5176
7852

Step I: 711 1113 1115 515 613 157

Step II: 72 33 35 101 613 157

Step III: 9 6 8 2 10 13

Step IV: 18 12 16 04 20 26

Following the same rules,

Input: 2356 7654 1288 2376 1209
2356 9865

Step I: 511 139 316 513 39 511 1711

Step II: 52 139 316 513 39 52 172

Step III: 7 13 10 09 12 07 10

Step IV: 14 26 20 18 24 14 20

36. Ans. C.

Given,

Input: 3456 6576 2987 2387 5176
7852

Step I: 711 1113 1115 515 613 157

Step II: 72 33 35 101 613 157

Step III: 9 6 8 2 10 13

Step IV: 18 12 16 04 20 26

Following the same rules,

Input: 2356 7654 1288 2376 1209
2356 9865

Step I: 511 139 316 513 39 511 1711

Step II: 52 139 316 513 39 52 172

Step III: 7 13 10 09 12 07 10

Step IV: 14 26 20 18 24 14 20

The largest number of steps I and IV
are 1711 and 26.

The difference is 1685

37. Ans. C.

Given,

Input: 3456 6576 2987 2387 5176
7852

Step I: 711 1113 1115 515 613 157

Step II: 72 33 35 101 613 157

Step III: 9 6 8 2 10 13

Step IV: 18 12 16 04 20 26

Following the same rules,

Input: 2356 7654 1288 2376 1209
2356 9865

Step I: 511 139 316 513 39 511 1711

Step II: 52 139 316 513 39 52 172

Step III: 7 13 10 09 12 07 10

Step IV: 14 26 20 18 24 14 20

Required sum = $7 + 13 + 10 + 09 + 12 + 07 + 10 = 68$

38. Ans. B.

Given,

Input: 3456 6576 2987 2387 5176
7852

Step I: 711 1113 1115 515 613 157

Step II: 72 33 35 101 613 157

Step III: 9 6 8 2 10 13

Step IV: 18 12 16 04 20 26

Following the same rules,

Input: 2356 7654 1288 2376 1209
2356 9865

Step I: 511 139 316 513 39 511 1711

Step II: 52 139 316 513 39 52 172

Step III: 7 13 10 09 12 07 10

Step IV: 14 26 20 18 24 14 20

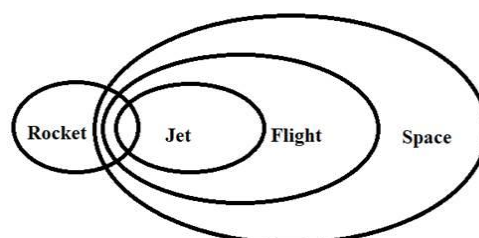
Three numbers remained unchanged
in step II as were in step I.

39. Ans. A.

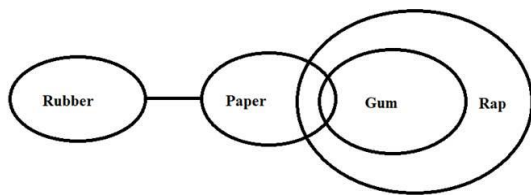
A	R	T	I	C	L	E	S
01	18	20	09	03	12	05	19

1

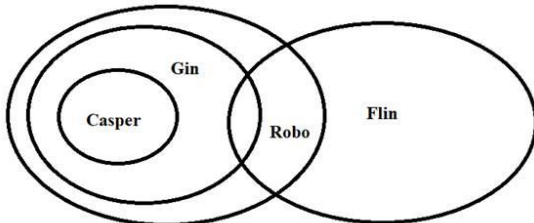
40. Ans. D.



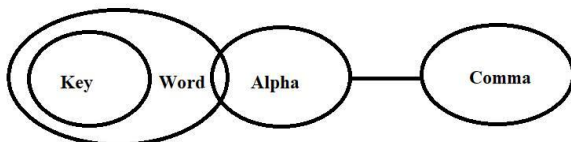
41. Ans. B.



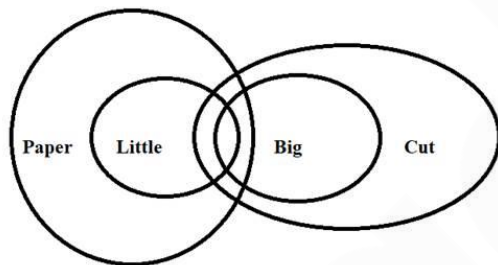
42. Ans. B.



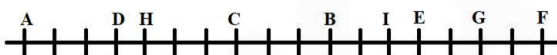
43. Ans. A.



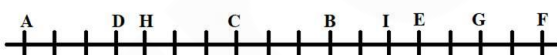
44. Ans. A.



45. Ans. A.



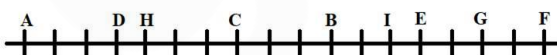
46. Ans. C.



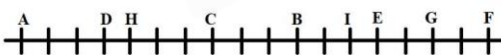
47. Ans. B.



48. Ans. B.



49. Ans. D.



50. Ans. E.

Given,
ABLE RABI SOFI BLUE RACE

After arrangement,
EBLA RIBA SIFO BLEU RECA
No meaningful word is formed.
51. Ans. D.

Given,
ABLE RABI SOFI BLUE RACE
After arrangement,
ABLE BLUE RABI RACE SOFI
Thus, third to the left of the fifth letter
from the right of the newly formed
series = R
52. Ans. B.

Given,
ABLE RABI SOFI BLUE RACE
After arrangement,
ABLE ABIR FIOS BELU ACER
53. Ans. D.

Given,
ABLE RABI SOFI BLUE RACE
After arrangement,
EBLA IABR IOFS ELUB EACR
No meaningful word can be formed.
54. Ans. A.

Given,
ABLE RABI SOFI BLUE RACE
After arrangement,
ABLE BLUE RACE RABI SOFI
Hence, position of one word is
unchanged.
55. Ans. D.

1 8 6 2 9 3 4 7 2

1 2

56. Ans. D.

1. The one, who is born in March, lives on an odd-numbered floor above the third floor.
2. Three people live between the one, who is born in March and E, who lives below the third floor.
3. Four people live between E and the one, who is born in May.

4. Two people live between the one, who is born in May and K, who is born before May.

8		
7		
6		May
5		March
4		
3	K	
2		
1	E	

5. Four people live between K, who lives above J, and F, who is younger than E.
 6. The youngest one lives near F, who lives above T.
 7. Four people live between the oldest and the youngest ones.

8	F	
7		August
6		May
5		March
4		
3	K	
2		January
1	E	

8. Three people live between M and the oldest one.
 9. Z lives immediately above Y, who is born immediately after J.
 (Refer points 5 and 6)
 (Refer point 9)
 (Refer point 4)
 (Refer point 5)

8	F	July
7	T	August
6	M	May
5	Z	March
4	Y	February
3	K	April
2	J	January
1	E	June

Hence, the required answer is 'six'.
 57. Ans. C.

1. The one, who is born in March, lives on an odd-numbered floor above the third floor.
 2. Three people live between the one, who is born in March and E, who lives below the third floor.
 3. Four people live between E and the one, who is born in May.
 4. Two people live between the one, who is born in May and K, who is born before May.

8		
7		
6		May
5		March
4		
3	K	
2		
1	E	

5. Four people live between K, who lives above J, and F, who is younger than E.
 6. The youngest one lives near F, who lives above T.
 7. Four people live between the oldest and the youngest ones.

8	F	
7		August
6		May
5		March
4		
3	K	
2		January
1	E	

8. Three people live between M and the oldest one.

9. Z lives immediately above Y, who is born immediately after J.

(Refer points 5 and 6)

(Refer point 9)

(Refer point 4)

(Refer point 5)

8	F	July
7	T	August
6	M	May
5	Z	March
4	Y	February
3	K	April
2	J	January
1	E	June

Hence, the one, who is older than T i.e. E, lives on the ground floor.

58. Ans. B.

1. The one, who is born in March, lives on an odd-numbered floor above the third floor.

2. Three people live between the one, who is born in March and E, who lives below the third floor.

3. Four people live between E and the one, who is born in May.

4. Two people live between the one, who is born in May and K, who is born before May.

8		
7		
6		May
5		March
4		
3	K	
2		
1	E	

5. Four people live between K, who lives above J, and F, who is younger than E.

6. The youngest one lives near F, who lives above T.

7. Four people live between the oldest and the youngest ones.

8	F	
7		August
6		May
5		March
4		
3	K	
2		January
1	E	

8. Three people live between M and the oldest one.

9. Z lives immediately above Y, who is born immediately after J.

(Refer points 5 and 6)

(Refer point 9)

(Refer point 4)

(Refer point 5)

8	F	July
7	T	August
6	M	May
5	Z	March
4	Y	February
3	K	April
2	J	January
1	E	June

Hence, the required answer is 'August'.

59. Ans. C.

1. The one, who is born in March, lives on an odd-numbered floor above the third floor.
2. Three people live between the one, who is born in March and E, who lives below the third floor.
3. Four people live between E and the one, who is born in May.
4. Two people live between the one, who is born in May and K, who is born before May.

8		
7		
6		May
5		March
4		
3	K	
2		
1	E	

5. Four people live between K, who lives above J, and F, who is younger than E.
6. The youngest one lives near F, who lives above T.
7. Four people live between the oldest and the youngest ones.

8	F	
7		August
6		May
5		March
4		
3	K	
2		January
1	E	

8. Three people live between M and the oldest one.

9. Z lives immediately above Y, who is born immediately after J.

(Refer points 5 and 6)

(Refer point 9)

(Refer point 4)

(Refer point 5)

8	F	July
7	T	August
6	M	May
5	Z	March
4	Y	February
3	K	April
2	J	January
1	E	June

Hence, the required answer is 'four'.

60. Ans. E.

1. The one, who is born in March, lives on an odd-numbered floor above the third floor.
2. Three people live between the one, who is born in March and E, who lives below the third floor.
3. Four people live between E and the one, who is born in May.
4. Two people live between the one, who is born in May and K, who is born before May.

8		
7		
6		May
5		March
4		
3	K	
2		
1	E	

5. Four people live between K, who lives above J, and F, who is younger than E.
 6. The youngest one lives near F, who lives above T.
 7. Four people live between the oldest and the youngest ones.

8	F	
7		August
6		May
5		March
4		
3	K	
2		January
1	E	

8. Three people live between M and the oldest one.
 9. Z lives immediately above Y, who is born immediately after J.
 (Refer points 5 and 6)
 (Refer point 9)
 (Refer point 4)
 (Refer point 5)

8	F	July
7	T	August
6	M	May
5	Z	March
4	Y	February
3	K	April
2	J	January
1	E	June

Hence, only K is born in the month of 30 days.

61. Ans. C.

$$(64 \times 15) \div 4^2 = (? \div 6) + 25$$

$$\Rightarrow 960 \div 16 = (? \div 6) + 25$$

$$\Rightarrow 60 - 25 = (? \div 6)$$

$$\Rightarrow ? = 6 \times 35$$

$$\Rightarrow ? = 210$$

62. Ans. D.

$$(45\% \text{ of } 840) - (? \times 3) = (125\% \text{ of } 60)$$

$$\Rightarrow 378 - (? \times 3) = 75$$

$$\Rightarrow (? \times 3) = 378 - 75$$

$$\Rightarrow (? \times 3) = 303$$

$$\Rightarrow ? = 101$$

63. Ans. A.

$$\sqrt{1296} \div 9 + (12.5 \times 6) = ? - 41$$

$$\Rightarrow 36 \div 9 + 75 = ? - 41$$

$$\Rightarrow 4 + 75 + 41 = ?$$

$$\Rightarrow ? = 120$$

64. Ans. D.

$$(60\% \text{ of } ?) + (150\% \text{ of } 320) = (150 \times 4)$$

$$\Rightarrow ? \times 0.60 + 480 = 600$$

$$\Rightarrow ? \times 0.60 = 120$$

$$\Rightarrow ? = 200$$

65. Ans. C.

$$(315 \div 7) - (288 \div 16) = ? \times 3^2$$

$$\Rightarrow 45 - 18 = ? \times 9$$

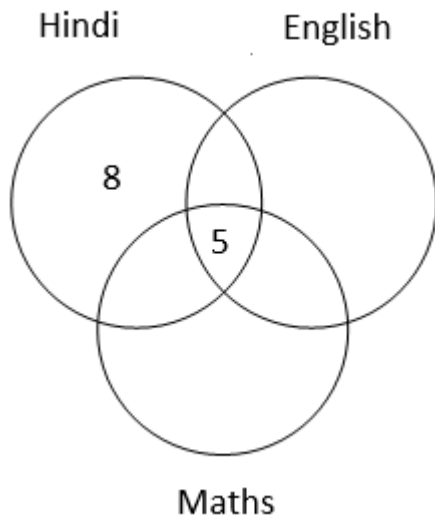
$$\Rightarrow 27 \div 9 = ?$$

$$\Rightarrow ? = 3$$

66. Ans. B.

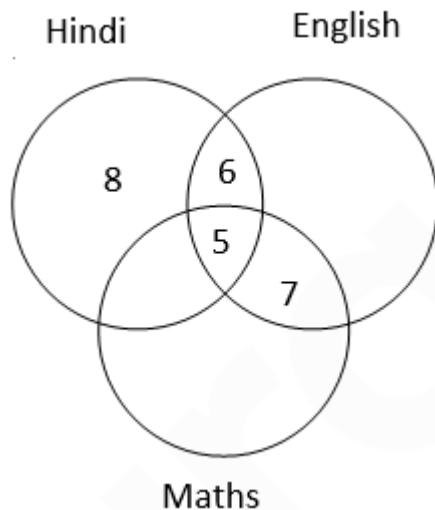
The number of teachers teaches all three subjects = 5

The number of teachers teaches only Hindi = 8



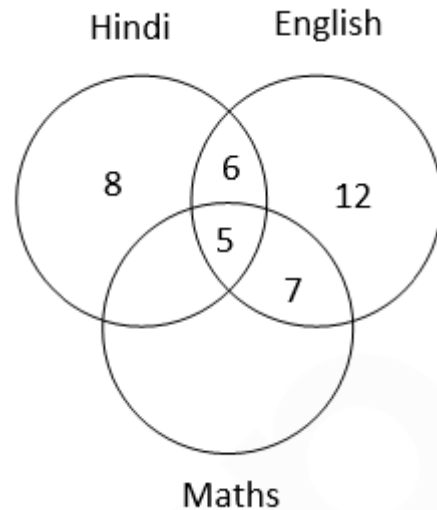
The number of teachers teaches only Maths and English = 7

The number of teachers teaches only Hindi and English = 6



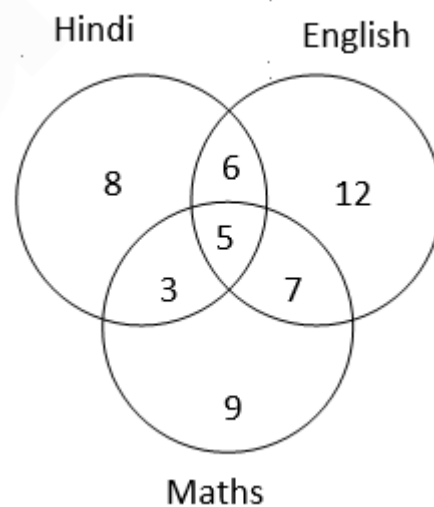
The number of teachers teaches English = 30

The number of teachers teaches only English = $30 - 6 - 5 - 7 = 12$



The number of teachers teaches only Maths = $12 - 3 = 9$

The number of teachers teaches only Maths and Hindi = $50 - (8 + 6 + 12 + 5 + 7 + 9) = 3$



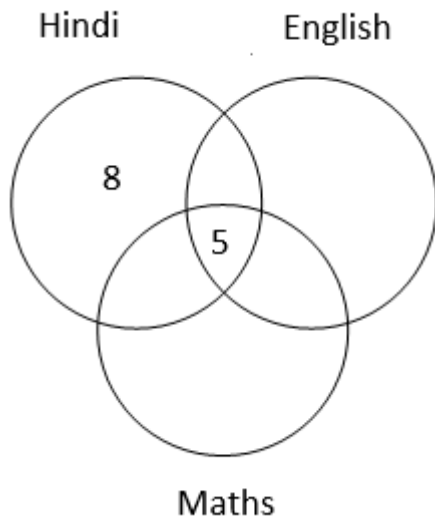
The number of teachers teaching only Maths = 9

Hence, option B is correct.

67. Ans. A.

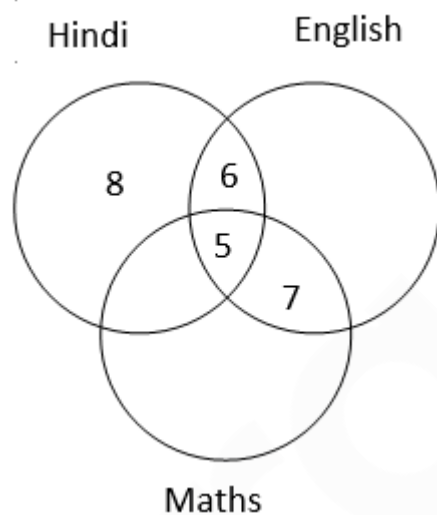
The number of teachers teaches all three subjects = 5

The number of teachers teaches only Hindi = 8



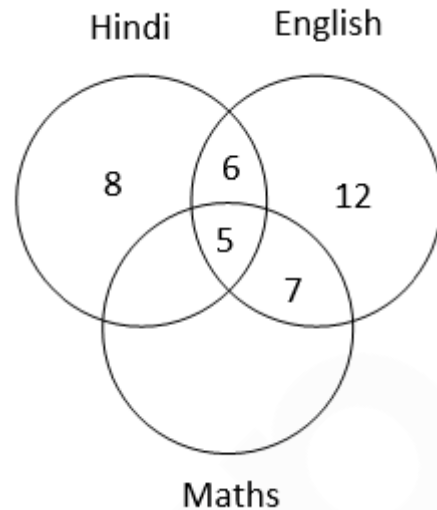
The number of teachers teaches only Maths and English = 7

The number of teachers teaches only Hindi and English = 6



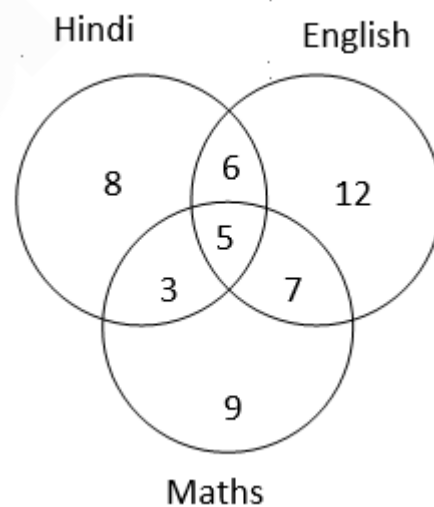
The number of teachers teaches English = 30

The number of teachers teaches only English = $30 - 6 - 5 - 7 = 12$



The number of teachers teaches only Maths = $12 - 3 = 9$

The number of teachers teaches only Maths and Hindi = $50 - (8 + 6 + 12 + 5 + 7 + 9) = 3$



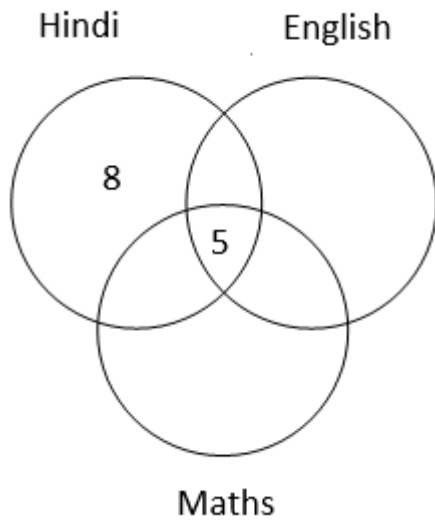
Required ratio = $12 : 8 = 3 : 2$

Hence, option A is correct.

68. Ans. B.

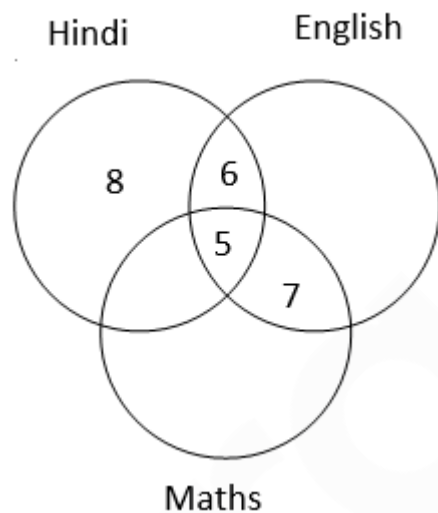
The number of teachers teaches all three subjects = 5

The number of teachers teaches only Hindi = 8



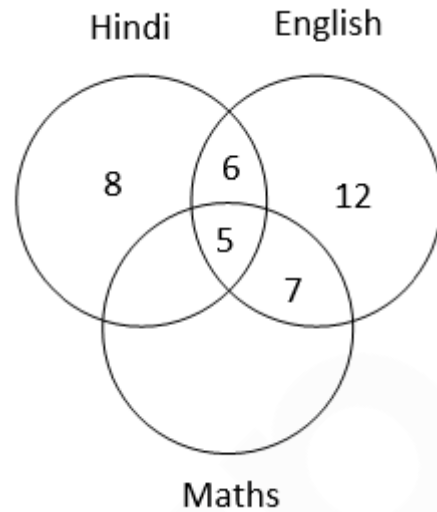
The number of teachers teaches only Maths and English = 7

The number of teachers teaches only Hindi and English = 6



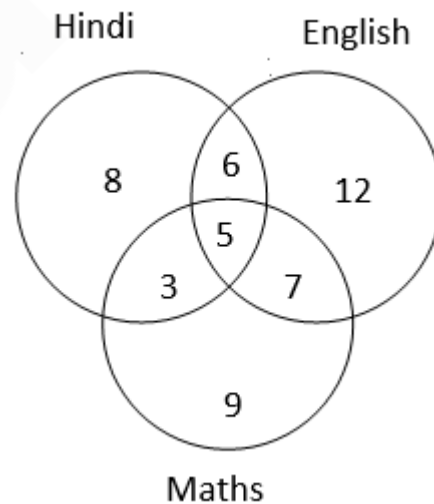
The number of teachers teaches English = 30

The number of teachers teaches only English = $30 - 6 - 5 - 7 = 12$



The number of teachers teaches only Maths = $12 - 3 = 9$

The number of teachers teaches only Maths and Hindi = $50 - (8 + 6 + 12 + 5 + 7 + 9) = 3$



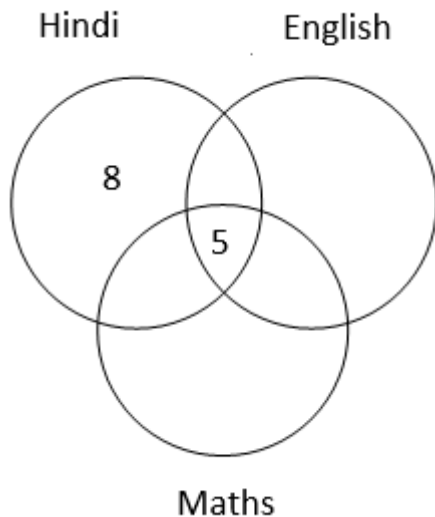
The number of teachers teaches Hindi = $8 + 6 + 5 + 3 = 22$

Hence, option B is correct.

69. Ans. C.

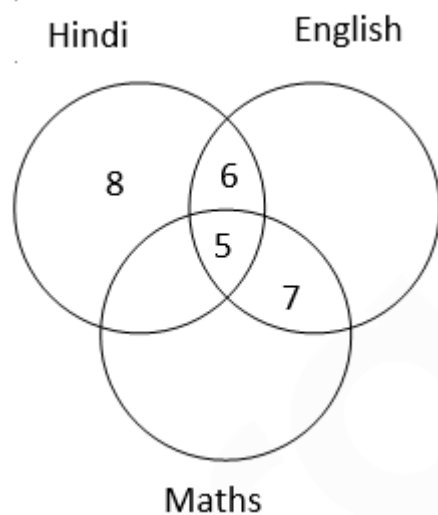
The number of teachers teaches all three subjects = 5

The number of teachers teaches only Hindi = 8



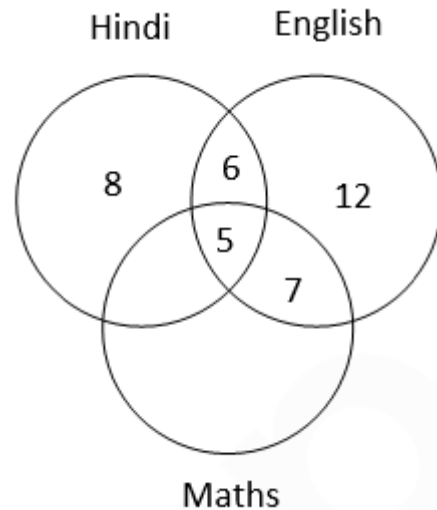
The number of teachers teaches only Maths and English = 7

The number of teachers teaches only Hindi and English = 6



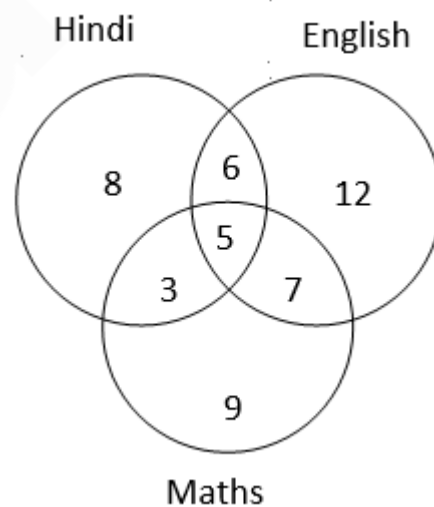
The number of teachers teaches English = 30

The number of teachers teaches only English = $30 - 6 - 5 - 7 = 12$



The number of teachers teaches only Maths = $12 - 3 = 9$

The number of teachers teaches only Maths and Hindi = $50 - (8 + 6 + 12 + 5 + 7 + 9) = 3$



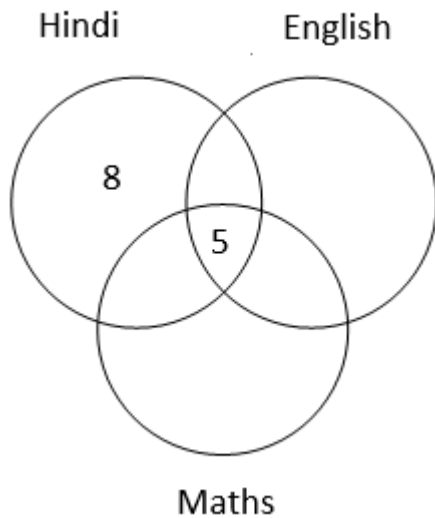
Required percentage = $\frac{6}{12} \times 100 = 50\%$

Hence, option C is correct.

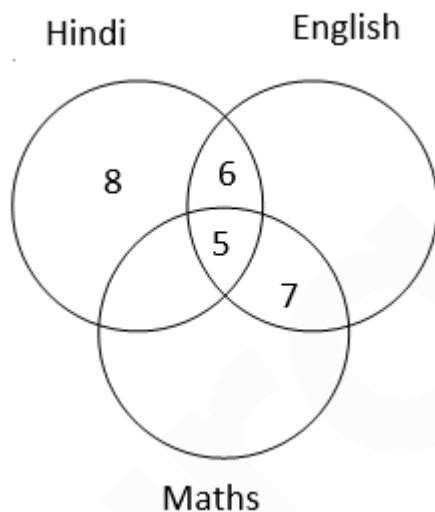
70. Ans. D.

The number of teachers teaches all three subjects = 5

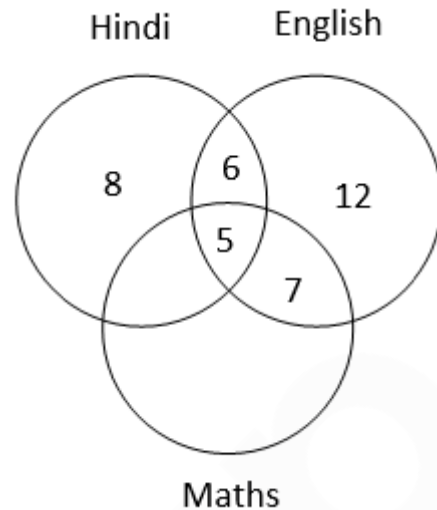
The number of teachers teaches only Hindi = 8



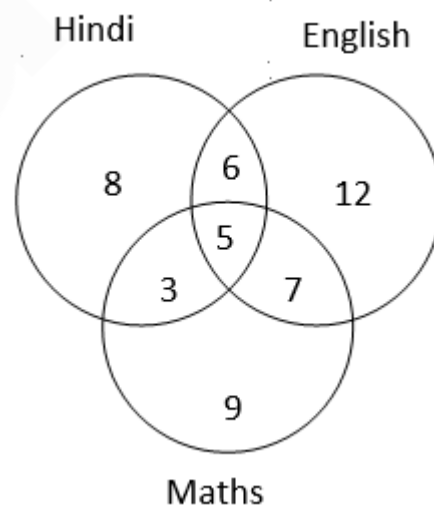
The number of teachers teaches only Maths and English = 7
The number of teachers teaches only Hindi and English = 6



The number of teachers teaches English = 30
The number of teachers teaches only English = $30 - 6 - 5 - 7 = 12$



The number of teachers teaches only Maths = $12 - 3 = 9$
The number of teachers teaches only Maths and Hindi = $50 - (8 + 6 + 12 + 5 + 7 + 9) = 3$



The number of teachers who teach Maths = $5 + 7 + 9 + 3 = 24$
The number of male teachers who teach Maths = $\frac{24}{8} \times 5 = 15$
The number of female teachers who teach Maths = $\frac{24}{8} \times 3 = 9$

Required difference = $15 - 9 = 6$

Hence, option D is correct.

71. Ans. C.

Ajay saves Rs. 6144 that is 40% of his salary.

$$\text{Ajay's salary} = \frac{6144}{40} \times 100 = \text{Rs. } 15360$$

Let the salary of Dhani = Rs. x

According to the question,

$$x \times 0.15\% = 15360 \times 0.20$$

$$\Rightarrow x \times 0.15 = 3072$$

$$\frac{3072}{0.15}$$

$$\Rightarrow x = \frac{3072}{0.15} = 20480$$

Dhani's salary = Rs. 20480

$$\text{Girish's salary} = \frac{20480}{80} \times 100 = \text{Rs. } 25600$$

Hence, option C is correct.

72. Ans. B.

Let the cost price of the goods = Rs. 100

Marked price of the goods = $100 \times 140\% = \text{Rs. } 140$

Let the quantity of the goods = 100 kg

According to the data provided in the question,

$$\begin{aligned} \text{Total selling price} &= (140 \times 100 \times 0.30) + (140 \times 0.80 \times 100 \times 0.25) + \\ &+ (140 \times 0.60 \times 100 \times 0.45) \end{aligned}$$

$$= 4200 + 2800 + 3780 = \text{Rs. } 10780$$

$$\text{Total cost price of the goods} = 100 \times 100 = \text{Rs. } 10000$$

$$\text{Total profit earned} = 10780 - 10000 = \text{Rs. } 780$$

$$\text{Profit percent} = \frac{780}{10000} \times 100 = 7.8\%$$

Hence, option B is correct.

73. Ans. C.

Let the amount invested in scheme A and scheme B is Rs. x and Rs. y .

According to the data provided in the question, we get:

$$\frac{x \times 0.12 \times 2}{y \times 0.15 \times 2} = \frac{6}{5}$$

$$\text{Or, } \frac{x}{y} = \frac{3}{2}$$

Required ratio of the sum = $3 : 2$

Hence, option C is correct.

74. Ans. A.

Profit share ratio of A, B and C = $16800 \times 6 : 8400 \times 9 : 25200 \times 5$
 $= 4 : 3 : 5$

A's extra profit = 5% of 12000 = Rs. 600

Remaining profit share of A, B and C = $12000 - 600 = \text{Rs. } 11400$

$$\text{Profit share of B} = \frac{11400}{12} \times 3 = \text{Rs. } 2850$$

Hence, option A is correct.

75. Ans. C.

Let the speed of the current = y km/h

According to the data provided in the question, we get:

$$\frac{144}{28 + y} = \frac{108}{28 - y}$$

$$\Rightarrow 144(28 - y) = 108(28 + y)$$

$$\Rightarrow 144 \times 28 - 144y = 108 \times 28 + 108y$$

$$\Rightarrow 144 \times 28 - 108 \times 28 = 144y + 108y$$

$$\Rightarrow 36 \times 28 = 252y$$

$$\Rightarrow y = 4$$

Speed of the stream = 4 km/h

Hence, option C is correct.

76. Ans. C.

By approximation, we get:

$$? = \left(650\% \text{ of } \frac{100}{13} + 25 \times 12 \right) - 119$$

$$\Rightarrow ? = (50 + 300) - 119$$

$$\Rightarrow ? = 231 \approx 230$$

Hence, option C is correct.

77. Ans. B.

By approximation, we get:

$$240 + ?^2 = 130 + 16 \times 9$$

$$\Rightarrow 240 + ?^2 = 130 + 144$$

$$\Rightarrow ?^2 = 34$$

$$\Rightarrow ? = 6$$

Hence, option B is correct.

78. Ans. D.

By approximation, we get:

$$198 \div 9 \times 5 = ? + 25$$

$$\Rightarrow 110 - 25 = ?$$

$$\Rightarrow ? = 85$$

Hence, option D is correct.

79. Ans. B.

By approximation, we get:

$$?^2 \times 24 + 144 = 45 \times 8$$

$$\Rightarrow ?^2 \times 24 + 144 = 360$$

$$\Rightarrow ?^2 \times 24 = 216$$

$$\Rightarrow ?^2 = 9$$

$$\Rightarrow ? = 3$$

Hence, option B is correct.

80. Ans. D.

By approximation, we get:

$$256 \div 8 + 108 = ? \times 35$$

$$\Rightarrow 32 + 108 = ? \times 35$$

$$\Rightarrow 140 = ? \times 35$$

$$\Rightarrow ? = 4$$

Hence, option D is correct.

81. Ans. A.

$$\text{Number of employees in Acting} = 1200 \times 15\% = 180$$

$$\text{Number of employees in Teaching} = 1200 \times 25\% = 300$$

$$\text{Number of employees in Management} = 1200 \times 21\% = 252$$

$$\text{Number of employees in Medical} = 1200 \times 12\% = 144$$

$$\text{Number of employees in Engineering} = 1200 \times 27\% = 324$$

The sum of the number of employees in acting and medical profession together = $180 + 144 = 324$

The number of employees in teaching profession = 300

$$\text{Required difference} = 324 - 300 = 24$$

Hence, option A is correct.

82. Ans. C.

$$\text{Number of employees in Acting} = 1200 \times 15\% = 180$$

$$\text{Number of employees in Teaching} = 1200 \times 25\% = 300$$

$$\text{Number of employees in Management} = 1200 \times 21\% = 252$$

$$\text{Number of employees in Medical} = 1200 \times 12\% = 144$$

$$\text{Number of employees in Engineering} = 1200 \times 27\% = 324$$

The number of employees in engineering profession = 324

$$\text{The number of female employees in engineering profession} = 324 \times \frac{4}{9} = 144$$

$$\text{The number of male employees in engineering profession} = 324 - 144 = 180$$

Hence, option C is correct.

83. Ans. B.

$$\text{Number of employees in Acting} = 1200 \times 15\% = 180$$

$$\text{Number of employees in Teaching} = 1200 \times 25\% = 300$$

$$\text{Number of employees in Management} = 1200 \times 21\% = 252$$

$$\text{Number of employees in Medical} = 1200 \times 12\% = 144$$

$$\text{Number of employees in Engineering} = 1200 \times 27\% = 324$$

$$\text{Required average} = \frac{180 + 252 + 144}{3} = 192$$

Hence, option B is correct.

84. Ans. C.

$$\text{Number of employees in Acting} = 1200 \times 15\% = 180$$

$$\text{Number of employees in Teaching} = 1200 \times 25\% = 300$$

$$\text{Number of employees in Management} = 1200 \times 21\% = 252$$

$$\text{Number of employees in Medical} = 1200 \times 12\% = 144$$

$$\text{Number of employees in Engineering} = 1200 \times 27\% = 324$$

$$\text{Required ratio} = (25 + 12) : (15 + 27) = 37 : 42$$

Hence, option C is correct.

85. Ans. D.

$$\text{Number of employees in Acting} = 1200 \times 15\% = 180$$

$$\text{Number of employees in Teaching} = 1200 \times 25\% = 300$$

$$\text{Number of employees in Management} = 1200 \times 21\% = 252$$

Number of employees in Medical =
 $1200 \times 12\% = 144$
 Number of employees in Engineering
 $= 1200 \times 27\% = 324$

The number of employees in fashion
 designing = $\frac{324}{9} \times 7 = 252$

Required percentage = $\frac{252}{300} \times 100 = 84\%$

Hence, option D is correct.

86. Ans. C.

$$64 - 13 = 51$$

$$51 + 21 = 72$$

$$72 - 13 = 59$$

$$59 + 21 = 80$$

$$80 - 13 = 67$$

$$67 + 21 = 88$$

Hence, the wrong number is 65.

87. Ans. B.

$$6 \times 0.5 + 1 = 4$$

$$4 \times 1 + 1 = 5$$

$$5 \times 1.5 + 1 = 8.5$$

$$8.5 \times 2 + 1 = 18$$

$$18 \times 2.5 + 1 = 46$$

$$46 \times 3 + 1 = 139$$

Hence, the wrong number is 3.

88. Ans. C.

$$12 + (1^3 + 1) = 14$$

$$14 + (2^3 + 1) = 23$$

$$23 + (3^3 + 1) = 51$$

$$51 + (4^3 + 1) = 116$$

$$116 + (5^3 + 1) = 242$$

$$242 + (6^3 + 1) = 459$$

Hence, the wrong number is 120.

89. Ans. D.

$$64 + 5 = 69$$

$$69 - 10 = 59$$

$$59 + 15 = 74$$

$$74 - 20 = 54$$

$$54 + 25 = 79$$

$$79 - 30 = 49$$

Hence, the wrong number is 55.

90. Ans. C.

$$10^2 + 2 = 102$$

$$9^2 + 2 = 83$$

$$8^2 + 2 = 66$$

$$7^2 + 2 = 51$$

$$6^2 + 2 = 38$$

$$5^2 + 2 = 27$$

$$4^2 + 2 = 18$$

Hence, the wrong number is 40.

91. Ans. A.

Let the present age of Rajat = x years

The present age of Anjana = 1.4x years

The present age of Kamlesh = 1.4x - 10 years

Let the present age of Prakshi = a years

According to the data provided in the question, we get

$$(1.4x - 10) = 2(a - 10)$$

$$\Rightarrow 1.4x - 10 = 2a - 20$$

$$\Rightarrow 2a = 1.4x + 10$$

$$\Rightarrow a = 0.7x + 5$$

The sum of the present ages of all four persons = $32.5 \times 4 = 130$ years

According to the data provided in the question, we get

$$x + 1.4x + 1.4x - 10 + 0.7x + 5 = 130$$

$$\Rightarrow 4.5x = 135$$

$$\Rightarrow x = 30$$

Present age of Prakshi = $0.7 \times 30 + 5 = 26$ years

Hence, option A is correct.

92. Ans. B.

Let the total work = 210 units (LCM of 42 and 30)

$$P's \text{ efficiency} = \frac{210}{42} = 5 \text{ units per day}$$

$$Q's \text{ efficiency} = \frac{210}{30} = 7 \text{ units per day}$$

$$\text{Work done by P and Q together in 14 days} = (7 + 5) \times 14 = 168 \text{ units}$$

$$\text{Remaining amount of the work} = 210 - 168 = 42 \text{ units}$$

$$R's \text{ efficiency} = \frac{42}{7} = 6 \text{ units per day}$$

$$\text{Time taken by R to complete the work} = \frac{210}{6} = 35 \text{ days}$$

Hence, option B is correct.

93. Ans. D.

Let the quantity of the milk in the initial mixture = 5x litres

The quantity of the water in the initial mixture = $4x$ litres

According to the data provided in the question, we get

$$\frac{5x - 5x \times 0.20 + 40}{4x - 4x \times 0.20} = \frac{7}{4}$$

$$\Rightarrow 4(5x - x + 40) = 7(4x - 0.8x)$$

$$\Rightarrow 16x + 160 = 22.4x$$

$$\Rightarrow 6.4x = 160$$

$$\Rightarrow x = 25$$

Quantity of the milk in the final mixture = $25 \times 4 + 40 = 140$ litres

Hence, option D is correct.

94. Ans. C.

Let the length of train X be a meter.
According to the data provided in the question, we get:

$$84 \times \frac{5}{18} = \frac{320 + a}{24}$$

$$\Rightarrow 320 + a = 560$$

$$\Rightarrow a = 240 \text{ m}$$

Length of train X = 240 m

Length of train Y = $90 \times \frac{5}{18} \times 8 = 200$ m

Required ratio = $240 : 200 = 6 : 5$

Hence, option C is correct.

95. Ans. B.

Let the salary of Gaurav be Rs. $100x$.
Amount that he spend on rent = Rs. $40x$

Amount that he spend on food = Rs. $20x$

Remaining amount = Rs. $40x$

Amount that he spend on transport = $40x \times 0.50 = \text{Rs. } 20x$

Remaining amount = $40x - 20x = \text{Rs. } 20x$

Gaurav's saving = $20x \times 0.50$

$$\Rightarrow 2700 = 10x$$

$$\Rightarrow x = 27000$$

Gaurav's salary = Rs. 27000

Hence, option B is correct.

96. Ans. B.

The quantity of the fruits exported by company in February and April together = $25 + 30 = 55$

The quantity of the fruits exported by company in March = 50

Required difference = $55 - 50 = 5$

Hence, option B is correct.

97. Ans. A.

The value of the fruits (per ton) in

January = $\frac{8}{40} = \text{Rs. } 0.2$ lakhs

The value of the fruits (per ton) in

February = $\frac{10}{25} = 0.40$ lakhs

The value of the fruits (per ton) in

March = $\frac{12}{50} = \text{Rs. } 0.24$ lakhs

The value of the fruits (per ton) in

April = $\frac{12}{30} = \text{Rs. } 0.40$ lakhs

The value of the fruits (per ton) in

May = $\frac{8.4}{35} = \text{Rs. } 0.24$ lakhs

In January the value of the fruit (per ton) was the minimum.

Hence, option A is correct.

98. Ans. D.

The value of the fruits (per ton) in

February = $\frac{10}{25} = 0.4$ lakhs

The value of the fruits (per ton) in

May = $\frac{8.4}{35} = \text{Rs. } 0.24$ lakhs

Required difference = $0.40 - 0.24 = \text{Rs. } 0.16$ lakhs or Rs. 16000

Hence, option D is correct.

99. Ans. B.

The value of the fruits (per ton) in

February = $\frac{10}{25} = 0.40$ lakhs

The value of the fruits (per ton) in

March = $\frac{12}{50} = \text{Rs. } 0.24$ lakhs

Required percentage = $\frac{0.24}{0.40} \times 100 = 60\%$

100. Ans. B.

Required percentage drop in the export quantity = $\frac{50 - 30}{50} \times 100 = 40\%$

Hence, option B is correct.

101. Ans. D.

From I:

$$I. x^2 - 26x + 153 = 0$$

$$\Rightarrow x^2 - 17x - 9x + 153 = 0$$

$$\Rightarrow x(x - 17) - 9(x - 17) = 0$$

$$\Rightarrow (x - 17)(x - 9) = 0$$

$$\Rightarrow x = 17, 9$$

$$II. y^2 = 81$$

$$\Rightarrow y^2 - 9^2 = 0$$

$$\Rightarrow (y - 9)(y + 9) = 0$$

$$\Rightarrow y = 9, -9$$

Hence, $x \geq y$.

102. Ans. C.

From I:

$$I. x^2 + 29x + 138 = 0$$

$$\Rightarrow x^2 + 6x + 23x + 138 = 0$$

$$\Rightarrow x(x + 6) + 23(x + 6) = 0$$

$$\Rightarrow (x + 6)(x + 23) = 0$$

$$\Rightarrow x = -6, -23$$

$$II. y^2 - 19y - 92 = 0$$

$$\Rightarrow y^2 - 23y + 4y - 92 = 0$$

$$\Rightarrow y(y - 23) + 4(y - 23) = 0$$

$$\Rightarrow (y - 23)(y + 4) = 0$$

$$\Rightarrow y = -4, 23$$

Hence, $x < y$.

103. Ans. E.

$$I. x^2 + 33x + 252 = 0$$

$$\Rightarrow x^2 + 12x + 21x + 252 = 0$$

$$\Rightarrow x(x + 12) + 21(x + 12) = 0$$

$$\Rightarrow (x + 12)(x + 21) = 0$$

$$\Rightarrow x = -12, -21$$

$$II. y^2 + 30y + 161 = 0$$

$$\Rightarrow y^2 + 7y + 23y + 161 = 0$$

$$\Rightarrow y(y + 7) + 23(y + 7) = 0$$

$$\Rightarrow (y + 7)(y + 23) = 0$$

$$\Rightarrow y = -7, -23$$

Hence, relationship between x and y can't be established.

104. Ans. E.

From I:

$$I. 48x^2 - 56x + 15 = 0$$

$$\Rightarrow 48x^2 - 36x - 20x + 15 = 0$$

$$\Rightarrow 12x(4x - 3) - 5(4x - 3) = 0$$

$$\Rightarrow (12x - 5)(4x - 3) = 0$$

$$\Rightarrow x = \frac{5}{12}, \frac{3}{4}$$

From II:

$$II. 2y^2 + 19y - 91 = 0$$

$$\Rightarrow 2y^2 - 7y + 26y - 91 = 0$$

$$\Rightarrow y(2y - 7) + 13(2y - 7) = 0$$

$$\Rightarrow (2y - 7)(y + 13) = 0$$

$$\Rightarrow y = \frac{7}{2}, -13$$

Hence, relationship between x and y can't be established.

105. Ans. B.

From I:

$$I. 16x^2 - 18x + 5 = 0$$

$$\Rightarrow 16x^2 - 8x - 10x + 5 = 0$$

$$\Rightarrow 8x(2x - 1) - 5(2x - 1) = 0$$

$$\Rightarrow (8x - 5)(2x - 1) = 0$$

$$\Rightarrow x = \frac{5}{8}, \frac{1}{2}$$

From II:

$$II. 8y^2 - 37y + 20 = 0$$

$$\Rightarrow 8y^2 - 32y - 5y + 20 = 0$$

$$\Rightarrow 8y(y - 4) - 5(y - 4) = 0$$

$$\Rightarrow (y - 4)(8y - 5) = 0$$

$$\Rightarrow y = 4, \frac{5}{8}$$

Hence, $x \leq y$.

106. Ans. D.

$$\text{Side of the square} = \sqrt{576} = 24 \text{ cm}$$

$$\text{Perimeter of the square} = 24 \times 4 = 96 \text{ cm}$$

$$\text{Perimeter of the rectangle} = 96 - 24 = 72 \text{ cm}$$

$$\text{Let the breadth of the rectangle} = b \text{ cm}$$

According to the data provided in the question, we get

$$2(20 + b) = 72$$

$$\Rightarrow 20 + b = 36$$

$$\Rightarrow b = 16$$

$$\text{Breadth of the rectangle} = 16 \text{ cm}$$

$$\text{Area of the rectangle} = 20 \times 16 = 320 \text{ cm}^2$$

Hence, option D is correct.

107. Ans. B.

$$\text{Profit earned on one microwave} = \text{Rs. } 0.18x$$

$$\text{Loss occurred on second microwave} = \text{Rs. } 0.08x$$

According to the data provided in the question, we get:

$$0.18x - 0.08x = 960$$

$$\Rightarrow 0.10x = 960$$

$$\Rightarrow x = 9600$$

Hence, option B is correct.

108. Ans. A.

Total number of pens in the bag = $6 + 4 + 5 = 15$

Required probability = $P(\text{yellow pen}) + P(\text{red pen})$

$$= \frac{4}{15} + \frac{5}{15} = \frac{9}{15} = \frac{3}{5}$$

Hence, option A is correct.

109. Ans. C.

According to the data provided in the question, we get:

$$1908 + X = X \left(1 + \frac{12}{100}\right)^2$$

$$\Rightarrow 1908 + X = X \left(1 + \frac{3}{5}\right)^2$$

$$\Rightarrow 1908 + X = X \left(\frac{28}{25}\right)^2$$

$$\Rightarrow 625(1908 + X) = 784X$$

$$\Rightarrow 625 \times 1908 + 625X = 784X$$

$$\Rightarrow 159X = 1908 \times 625$$

$$\Rightarrow X = 7500$$

Amount invested on simple interest = $7500 + 5000 = \text{Rs. } 12500$

Simple interest = $12500 \times 20\% \times 2 = \text{Rs. } 5000$

Hence, option C is correct.

110. Ans. C.

Let the income of Manan = Rs. $5x$

Income of Ashish = $5x \times 1.20 = \text{Rs. } 6x$

Saving of Ashish = $6x \times 0.30 = \text{Rs. } 1.8x$

According to the data provided in the question, we get:

$$3600 = 1.8x$$

$$\Rightarrow x = 2000$$

Income of Manan = $2000 \times 5 = \text{Rs. } 10000$

Saving of Manan = $2000 \times 2 = \text{Rs. } 4000$

Expenditure of Manan = $10000 - 4000 = \text{Rs. } 6000$

Hence, option C is correct.

111. Ans. C.

"...the next level of security is likely to identify people using things which are harder to copy..." The behaviours such as "the way they walk" are harder to copy because they're unique to every user. Thus, behavioural biometrics will be harder to impersonate, which makes them better than regular passwords. Hence, the correct answer is C.

112. Ans. E.

Device fingerprinting "...employs software to note things like the model type of a gadget employed by a particular user; its hardware configuration; its operating system; the apps which have been downloaded onto it; and other features, including sometimes the Wi-Fi networks it regularly connects through and devices like headsets it plugs into. The results are sufficient to build a profile of both the device and its user's habits." This tells us that device fingerprinting consists of the information about the device, and by extension, its user. All this information is stored in the online servers or cloud servers. But fingerprints are not included in this collection of data. Hence, the correct answer is E.

113. Ans. B.

Hardware configuration of a device can be used to detect whether the device has a keyboard or a touchscreen. "On a device with a keyboard... a longer-than-usual finger "flight time" between keystrokes" is used as a warning sign. "On a device with a touchscreen rather than a keyboard...flight times between keystrokes are longer." Any deviation from this can be used to detect a fraud. Thus, it is essential to know the hardware configuration of the device. Hence, the correct answer is B.

114. Ans. D.

Neil Costigan will most likely agree with statement D. The reasons are as follows:

A: Costigan describes additional passwords as "nonsense". He doesn't clarify if they pose any privacy risk.

D: Costigan states that the software operating with behavioural biometrics "can toil quietly in the background". He makes this observation indicating that operation of the software shouldn't involve interaction with the user. He also describes additional passwords as "nonsense" and the entire process as "badgering". Thus, Neil Costigan will most likely agree with this statement.

C: Costigan "...observes, the software can toil quietly in the background, continuously authenticating account-holders..." Here, the software is doing the authentication, not some stranger.

Hence, the correct answer is D.

115. Ans. A.

The given passage provides information about the latest cyber security measures in a neutral tone. It contains both pros and cons of existing and upcoming security measures.

A formal writing tone is common in academic or professional contexts. The given passage is, however, aimed at the mass and uses much lenient language. The primary purpose of descriptive writing is to describe a person, place or thing in such a way that a picture is formed in the reader's mind. No such formation of image is required in the given passage.

Subjective information or writing is based on personal opinions, interpretations, points of view, emotions and judgment. Critical writing is writing which analyses and evaluates information, usually from multiple sources, in order to develop an argument. The passage offers a

neutral tone presenting both sides of the argument. Hence, the correct answer is A.

116. Ans. C.

Only option I is true. The reasons are as follows:

I: "...many can be guessed or are jotted down imprudently" shows that either the passwords are easy (which is why they can be guessed) or not memorable (which is why they needed to be jotted down). This shows the lack of effort on the user's part. So, option I is true.

II: The passage states that device fingerprinting can collect data about other connected devices, like the Headsets. It doesn't clarify if headsets are the most commonly used ones. So, option II is false.

III: Behavioural biometrics "...relies on the wealth of measurements made by today's devices." 'wealth of measurements' makes the given sentence wrong. So, option III is false.

Hence, the correct answer is C.

117. Ans. E.

All the options I, II & III are correct. The reasons are as follows:

I: "the hour is appropriate" suggests that the author believes that there are certain hours in a day that are spent in sleeping. The author assumes that the user sleeps during this fixed time period. So, option I is correct.

II: In the given quote, "this action" refers to the phone being "...set down on a hard surface such as a table or dropped lightly on a soft one such as a bed." The author assumes that this action happens when the user sleeps. To verify this assumption, the author suggests tallying the putting down of the phone with the appropriate hour. So, option II is correct.

III: "a user" indicates that the author assumes that the device is used only

by one person. So, option III is correct.

Hence, the correct answer is E.

118. Ans. A.

The meaning of the words given in the options are as follows:

Employed means to use something.

Staccato is used to describe a noise or way of speaking that consists of a series of short and separate sounds.

Posed means to raise (a question or matter for consideration).

Spoofed means to try to make someone believe in something that is not true.

Fling means to throw something or someone suddenly and with a lot of force.

Abstained means to not do something you could do, esp. something that is unhealthy or gives you pleasure.

Hence, the correct answer is A.

119. Ans. B.

The meaning of the words and phrase given in the options are as follows:

'Go beyond' means to do more than is expected or required.

'Plugs into' means to become connected to a piece of electrical equipment or to the main electricity supply.

Maiden means (of an older woman) unmarried.

'Gaining ground' means to become more popular or accepted.

Reverse means the opposite to that previously stated.

Connect means to join or be joined with something else.

Hence, the correct answer is B.

120. Ans. D.

Part A & D have errors in them. The reasons are as follows:

A: "identifying threat" will stop the fraud by countering it. So, online fraud cannot involve identifying a threat. It involves "identity theft". Identity theft is the crime of obtaining the personal or financial information

of another person to use their identity to commit fraud, such as making unauthorized transactions or purchases.

B: We distinguish the two nouns (impersonator and genuine customers) *from* each other.

Hence, the correct answer is D.

121. Ans. A.

Climate refers to the weather prevailing in an area over a long period of time. Weather changes quite often and nature cannot change. Cycle and change mean the same in this context so it can be eliminated. Tropical doesn't suit the context of the passage. Hence the correct answer is option A.

122. Ans. C.

Climate change doesn't have to do anything with color. Length and power can be eliminated since those are physical units. Effects refers to a change which is a result of an action. This fits the context of the sentence and hence the correct answer is option C.

123. Ans. E.

Evidence is the available body of facts and information indicating whether a belief is true. In case of Global warming there has been many scientific researches and looking at the evidence researchers have concluded that the world is getting hotter day by day. In the context of the passage, Evidence fits perfectly. Hence the correct answer is option E.

124. Ans. B.

The passage talks about how different researches have been made in order to really understand the intensity of the Global warming. Temperature records have been analyzed and then it has been found that the Earth is heating up at an exponential rate. The correct answer is option B.

125. Ans. C.

Humans have been known to cause problems on earth. We are the reason for the Global warming and the degradation of nature. In the context of the passage, 'human' is the appropriate word. The correct answer is option C.

126. Ans. D.

Greenhouse gases such as methane, CO₂ and Nitrous oxide are the biggest influencers of Global warming and these gases are generated by human made industries and devices. The emission of these gases puts the nature in danger. The correct answer for this question is option D.

127. Ans. A.

Summarized refers to giving a brief statement of the main points. Forced and stuck can be eliminated since they don't fit well with the meaning of the passage. Portrayed means to depict which again doesn't go well with the passage hence it can be eliminated. Accepted means to receive and so it can be eliminated since it doesn't help with the meaning of the sentence. Hence the correct answer is option A.

128. Ans. B.

The Earth's rise and fall in temperature is taken in the form of surface temperature for making it easier to analyse. Ice doesn't fit into the context since ice temperature isn't taken while reading the climate data. Narrow and Potential can be eliminated since they don't make sense when put into the context of the passage. Human temperature isn't a unit of global temperature hence it can't be used as well. So the correct answer is option B.

129. Ans. D.

Scenario is a postulated sequence or development of events. 'Case' can also be put into the context; however scenario has been used in the former part to convey stats in the same

context. Hence the correct answer is option D.

130. Ans. B.

The sentence is correct as given.

131. Ans. A.

The term "local devastation" does not make any sense. It can either be replaced by "businesses" or "government". However, "devastation" will be contextually incorrect at (E). So, B and C must be exchanged to make the sentence correct.

132. Ans. D.

The phrase "Indian creation" renders the given sentence unclear. "Economy" and "creation" can clearly be exchanged to make the sentence correct.

The word "bureaucratic" at C is incorrect as it is an adjective and requires a noun (which is missing) to modify. Thus, the positions of the words at B and C must be changed to make the sentence correct.

So, option D is the correct answer.

133. Ans. D.

The highlighted words have been correctly placed in the sentence. Thus, option D is the correct answer.

134. Ans. C.

The sentence is correct and conveys a meaningful sense. The sentence talks about report about President Vladimir Putin. The words as used in the sentence are perfect in their place and renders a proper meaning to the entire sentence. Therefore, option C is the correct answer.

135. Ans. E.

From the given jumbled parts, we can make out that the sentence is related to the effects of climate change. The sentence should start with part C which mentions the phrase 'extreme changes'. It should be followed by part B which mentions where these changes occurred, which is the

climate. Part D which mentions the seas retreating should follow part B as it is the effect of the extreme changes in climate. Where the seas retreated is mentioned in part E and A. Part E comes before part A as it uses the adjective 'major' to describe the noun phrase in part A. So, we get the sequence CBDEA, making option E the correct answer.

Correct sentence - Extreme changes in daily and seasonal climates preceded the retreat of the seas back into the major ocean basins.

136. Ans. D.

From the given jumbled parts, we can make out that the sentence is someone who found that writing something became easy once she started it. The sentence should start with part C which mentions the subject of the sentence (Jane). It should be followed by part E which mentions the action taken by the subject which is lifting her pen. Part C which mentions what the subject did by lifting her pen which was to make a start comes in the third spot. So, parts BEC talks about the subject lifting a pen and making a start. What this action led to is explained by the sequence DA which talks about how writing the essay became easy. So, we get the sequence BECDA, making option D the correct answer.

Correct sentence - Once Jane lifted her pen and made a start, writing the essay became easy.

137. Ans. D.

The correct sentence after rearrangement is -

Recently, I dropped by a friend's flat unannounced, a gesture intended to be sweet, but it probably turned out to be annoying as my friend rushed around attempting to make the living room presentable.

138. Ans. A.

From the given parts of the sentence it is evident that the sentence talks about the benefits of wine tourism. Thus, part B which introduces this idea should begin the sentence. If we consider option A as the correct answer, we get the following coherent sentence -

'Wine tourism is no longer the ramshackle affair it used to be, as all over the world, wine companies have realised there's money to be made and, equally importantly, valuable PR to be communicated to attract visitors in increasingly slick and varied ways.

139. Ans. B.

From the given parts, it is evident that part D should begin the sentence as it states the subject of the sentence i.e. 'The book'. Thus, options C, D and E can be negated. Part A should follow part D as it states the topic of the essays in the book. This makes only option B as the correct answer. The correct sentence after rearrangement is -

'This book is a riveting collection of essays on urban spaces in modern India and it brings together insights on urban spaces from different disciplines and covers a range of cities and towns in the country.'

140. Ans. A.

The sentence is discussing about things in general sense and expressing a suggestion, so the correct choice is "law should make". The rest of the options are grammatically incorrect.

'Would' is used in hypothetical situations whereas 'should' is used to show obligation, give recommendation or even an opinion. So, the correct answer is option A.

141. Ans. C.

The bold part is incorrect as the word "regulatory" is an adjective whereas we require a noun in the sentence.

Option A is incorrect as the preposition "on" is incorrect here. We need the preposition "in".

Option B is incorrect again due to the use of the adjective.

Option C is correct as the use of the noun and preposition is correct.

Option D is incorrect due to the use of incorrect tense.

The correct answer is option C.

142. Ans. C.

The error in the sentence is of the order of adjectives 'parliamentary' and 'representative'. The noun 'democracy' will be modified by the adjective 'parliamentary' describing the type of democracy. 'Parliamentary' will be modified by the adjective 'representative' explaining the mode of formation of the parliament i.e. by representatives of people. So, 'representative parliamentary democracy' is the correct sequence which makes option C, as the correct choice.

143. Ans. E.

The given sentence is correct and no correction is required.

144. Ans. C.

The error is in the third part of the sentence.

The objective noun "some insurance companies" is in plural case. Therefore, the pronoun used for this should also be in the same case. Therefore, the use of "its" is incorrect here as it is singular in form. It should be replaced by "their".

The correct answer is option C.

145. Ans. A.

The error lies in the first part of the given sentence. The usage of the connector 'which' is incorrect here. The later part of the sentence describes the condition of another entity in the age of globalization.

Thus, 'when' should be used instead of 'which'. Thus, option A is correct.

146. Ans. E.

There is no error in the statement and thus the correct response is option E.

147. Ans. B.

"Of" should be eliminated to make the sentence correct.

148. Ans. B.

The given statement talks about one leader. Since the subject is singular we must use the singular form of verb, 'adheres' should be used.

149. Ans. A.

Sheen (noun) – a soft lustre on a surface

150. Ans. C.

'Tradition' means the transmission of customs or beliefs from generation to generation. Tradition can be sacrosanct, which means regarded as too important or valuable to be interfered with. Thus, option C is the correct answer.

The meaning of the other words are:

Likeable: Someone who is easily liked or admired

Animated: full of excitement; lively

151. Ans. D.

- Government think-tank Niti Aayog has formed a high-level panel to explore the technological and commercial viability of the Virgin Hyperloop technology for ultrahigh speed travel in India, weeks after its first test was completed with humans on board.

- The Virgin Hyperloop test run was conducted on a 500-meter track in Las Vegas in the USA with a pod, as the hyperloop vehicles are called, travelling with passengers, including an Indian, inside an enclosed tube at more than 100 mph or 161 kmph.

152. Ans. B.

Fino Payments Bank is the fourth payments bank which commence operation in India in July 2017. The

headquarter of Fino Payments Bank is in **Mumbai**.

153. Ans. A.

* **Dilip Asbe is the CEO of National Payments Corporation of India.**

* National Payments Corporation of India is an umbrella organisation for operating retail payments and settlement systems in India. **It was founded in 2008.**

* It is registered under **section 8 of the Companies Act 2013**. The authorised capital has been pegged at ₹3 billion and paid-up capital is ₹1 billion.

* The main services and applications provided by NPCI are- RuPay, National Common Mobility Card, BHIM, Unified Payments Interface, Bharat bill payments system etc.

154. Ans. B.

Solution: Full form of CASA - **Current Account Saving Account.**

155. Ans. E.

On 4th December 2020, RBI has kept the Repo Rate unchanged at 4.00% and reverse repo rate at 3.35%. In addition to that, the Marginal Standing Facility rate and the bank rate stands at 4.25%.

This has been done to limit the damage to the economy caused by the Covid-19 and subsequent lockdowns.

The current rates as per RBI Monetary Policy are: SLR is 21.50%, Repo rate is 4.00%, Reverse Repo rate is 3.35%, MSF rate is 4.65%, CRR is 3% and Bank rate is 4.65%.

156. Ans. C.

* In accordance with the vision of the Ministry of Housing and Urban Affairs (MoHUA), Karnataka Bank Limited launched a new indigenous RuPay debit card- National Common Mobility Card(NCMC).

* This card is the bank's 1st ever contactless debit Card.

* The card is an international Contact-less, debit cum prepaid and interoperable transport card, a 'One Nation One Card i.e., a card with many benefits'.

* Payments can be made without the need to insert the card at PoS(Point of Sale) terminals, i.e., a contactless payment(Tap & Go).

* With the card, payments can be made at Toll plazas, Metro transits, Parking lots, Retail outlets, Smart cities etc.

157. Ans. D.

The Bank of International Settlements (BIS) is an international organization of central banks which fosters international monetary and financial cooperation and serves as a bank for central banks. It is based in **Basel, Switzerland** with its representative offices in Hong Kong and Mexico City.

Hence, option D is correct.

158. Ans. C.

• The Central government after exercising its power conferred under clause (iii) of section 3 of Government securities Act 2006 has launched a new series of the Sovereign Gold Bond (SGB) Scheme namely "Sovereign Gold Bond 2020-21"

• It is to be issued by Reserve Bank of India (RBI) in six tranches from April 2020 to September 2020 i.e. in first half of FY 20-21.

• The government will pay an interest at the rate of 2.5% per annum. The interest is payable semi-annually.

• Their sale will be restricted to resident individuals, HUFs, Trusts, Universities and Charitable Institutions.

159. Ans. A.

* India and France were re-elected as the President and Co-President of the International Solar Alliance (ISA), for a term of two years at the virtual

meeting of the Third Assembly, informed the Ministry of New and Renewable Energy.

* Four new Vice-Presidents were also chosen to represent the four regions of ISA. The representatives of Fiji & Nauru for Asia Pacific Region; Mauritius & Niger for Africa Region; UK & Netherlands for Europe and others Region, and Cuba and Guyana for Latin America and Caribbean Region assumed the vice presidency.
160. Ans. A.

Dr. Madhusudan Sahoo is the first chairman of Insolvency and Bankruptcy Board of India (IBBI) for a period of 5 years.

* IBBI is regulator for overseeing the insolvency and bankruptcy regime in the country. It has statutory powers under the Insolvency and Bankruptcy Code, 2016.

The Insolvency and Bankruptcy Board of India (IBBI) has a ten-member board including a chairman.

Structure of the IBBI.

* One Chairperson

* 3 members from Central Government, officers not below the rank of Joint Secretary or equivalent.

* One nominated member from the RBI.

* 5 members nominated by the Central Government; of these, 3 shall be whole-time members.

161. Ans. A.

* A virtual TX2 Tiger Conservation Awards 2020 ceremony was held to confer the relevant site among 13 tiger range countries under two categories viz. TX2 Award and Conservation Excellence Award.

* In this regard, the Pilibhit Tiger Reserve (PTR) of Uttar Pradesh (UP) under the UP Forest department has bagged the first-ever international award, TX2, for doubling the number of tigers in four years against a target

of 10 years. The PTR had 25 tigers in 2014 which went up to 65 in 2018.

* The award was virtually presented to the principal chief conservator of forest (wildlife) of the state, Sunil Pandey, by UNDP's (United Nations Development Program) head of ecosystems and biodiversity, Mindori Paxton.

* TX2 stands for "Tigers times two", stating the goal to double the population of wild tigers by 2022.

162. Ans. C.

* The Appointments Committee of the Cabinet appointed PD Vaghela as new chief of Telecom Regulatory Authority of India (TRAI).

* He is 1986-Gujarat cadre IAS officer,

* Vaghela will succeed RS Sharma, whose tenure as chief of TRAI lapses on September 30.

* Prior to TRAI, Sharma led the creation of Aadhaar as the director general and mission director of the Unique Identification Authority of India (UIDAI) during 2009-2013.

163. Ans. A.

* "Relationship beyond banking" is the tagline of Bank of India. It's headquarter located in Mumbai.

164. Ans. B.

* Larsen & Toubro (L&T) has secured a large contract to construct the country's longest road bridge across river Brahmaputra connecting Dhubri in Assam to Phulbari in Meghalaya.

* The contract was bagged by the company's subsidiary L&T Construction. As per the company, a large contract is worth Rs 2,500-5,000 crore.

165. Ans. C.

* MIBOR is the acronym for Mumbai Interbank Offer Rate, the yardstick of the Indian call money market. It is the rate at which banks borrow unsecured funds from one another in the interbank market.

* The same was rechristened as FIMMDA-NSE MIBID/MIBOR rate in due course.

166. Ans. B.

* The government plans to sell 100 per cent of its equity share capital in the state-owned airline, including Air India's shareholding interest of 100 per cent in AI Express Limited (AIXL) and 50 per cent in Air India SATS Airport Services Private Limited (AI SATS).

* Another possible interested bidder points out that what matters most is the long-term success of Air India which will be a significant contributor (directly and indirectly) to GDP and also to the Indian Exchequer.

167. Ans. A.

* looking to end its partnership with AirAsia Bhd as it only wants to be engaged in one airline business, Vistara, the joint venture with Singapore Airlines (SIA).

* Initial discussions to this end have begun, even as the conglomerate inches closer to a separate deal to acquire ownership stake in India's second-biggest airline Jet Airways from its founder Naresh Goyal.

* The Tata Group holding company is proposing to "exit AirAsia India and run the only full-service private airline in India, which is Vistara-plus-Jet," said one of the people.

* Tata Sons owns 51% of AirAsia India with the rest held by Malaysia-based AirAsia Bhd.

168. Ans. D.

* YONO (You Only Need One) is an integrated digital banking platform offered by State Bank of India (SBI) to enable users to access a variety of financial and other services such as flight, train, bus and taxi bookings, online shopping, or medical bill payments.

169. Ans. C.

* The Reserve Bank will evaluate the impact of multi-media public awareness campaign 'RBI Kehta Hai', which was launched in 14 languages to educate the public about safe banking and financial practices.

* 'RBI Kehta Hai' was the first even 360 degree campaign initiated by the central bank using all mass media, including media such as television, radio, newspapers, hoardings, web banners, gifs, social media and SMS.

* In order to evaluate the impact of the public awareness campaign, the RBI has invited Expression of Interest (EoI) from eligible companies and other entities which have successfully completed at least five similar projects.

170. Ans. D.

* Current bank accounts are very popular among companies, firms, public enterprises, businessmen who generally have higher number of regular transactions with the bank.

* The current account includes deposits, withdrawals, and contra transactions. Such accounts are also called the Demand Deposit Account.

* A Current account can be opened in most of the commercial banks. A current account being a zero-account, is generally associated with huge transactions on a regular basis. Because of the fluidity that these accounts offer, they don't earn any interest.

* These also usually do not carry a limit on the number of transactions which can be made.

171. Ans. A.

* The World City Day is observed every year on 31st October

* This World Cities Day is the seventh global celebration since the day was launched in 2014 in Shanghai, China.

* The 2020 World Cities Day themed 'Valuing our communities and cities' underlines the importance of the local

communities who are at the heart of building sustainable cities.

172. Ans. B.

* The Sovereign Gold Bond scheme was launched in November 2015 with an objective to reduce the demand for physical gold and shift a part of the domestic savings - used for the purchase of gold - into financial savings.

* The gold bonds offer an annual interest rate of 2.50 per cent to investors.

173. Ans. E.

* Based in Mumbai, India, the BSE lists close to 6,000 companies and is one of the largest exchanges in the world, along with the New York Stock Exchange (NYSE), Nasdaq, London Stock Exchange Group, Japan Exchange Group, and Shanghai Stock Exchange.

174. Ans. A.

* Paytm becomes largest issuer of FASTags in India with 3 mn.

* Paytm Payments Bank (PPB) announced it has become the largest FASTag issuer in India as it has issued three million FASTags so far, thus, accelerating the adoption of electronic payments across toll plazas.

* Paytm Payments Bank also aims to almost double FASTag adoption to five million vehicles by March

* FASTag is an electronic toll collection system, operated by the National Highway Authority of India.

175. Ans. C.

* Often referred to as the father of the Indian IT industry, Faqir Chand Kohli, the founder and first CEO of Tata Consultancy Services (TCS), passed away.

* Kohli also worked as the deputy general manager of the Tata Power Company and was the Chairman of the Board of Governors of College of Engineering, Pune.

* FC Kohli pioneered India's 'Technology Revolution' and helped the country build the \$100-billion IT industry as first CEO of TCS.

* Born on March 19, 1924 in Peshwar, he did his BA and B .SC from the Government College for Men in Lahore under Punjab University.

* Later he went to Queen's University in Canada and completed B.Sc (Hons) in Electrical Engineering in 1948 . He also did his MS in Mechanical engineering from the Massachusetts Institute of Technology in 1950

176. Ans. A.

• Government of Assam has notified Dihing Patkai as 7th National Park of the state.

• Assam now has the third most National Parks after the 12 in Madhya Pradesh and nine in the Andaman and Nicobar Islands.

• The five older National Parks in the State are Kaziranga, Manas, Nameri, Orang and Dibru-Saikhowa.

• Kaziranga and Manas are UNESCO World Heritage Sites. They are also tiger reserves along with Nameri and Orang.

177. Ans. B.

• Ten Public Sector Undertaking (PSU) banks were amalgamated into four banks.

• With this, the number of public sector banks in India come down to 12 from 27.

• Oriental Bank of Commerce (OBC) and United Bank of India merged into Punjab National Bank (PNB).

• Syndicate Bank merged into Canara Bank, which will make it the fourth-largest public sector lender.

• Indian Bank was merged with Allahabad Bank.

• Union Bank of India merged with Andhra Bank and Corporation Bank.

178. Ans. A.

* Market risk is the risk of losses in positions arising from movements in market prices.

* If the risk of losses in on balance sheet and off-balance sheet positions arising from movements in market prices, it is known as Market risk under Basel Norm III.

179. Ans. C.

- Guyana takes over chairmanship of the Group of 77 (G77) for the year 2020.

- It assumes the chairmanship of the Group from the State of Palestine.

- The G77 is the largest intergovernmental organization of developing countries in the UN.

- It was designed to promote its members' collective economic interests and create an enhanced joint negotiating capacity in the UN.

- Groups from Latin and Central America, Asia, Africa and the Pacific have all endorsed Guyana's Chairmanship and pledged their support.

180. Ans. A.

* The Punjab National Bank Housing Finance (PNBHF) has signed an agreement with Japan International Cooperation Agency (JICA) to raise USD 75 million & with Citibank for USD 25 million to provide loans to affordable housing segment so as to improve the lives of low-income households & to promote sustainable economic growth in India.

* It is a 5-year long term loan which helps to balance the company's Asset Liability Management (ALM) position.

* It is JICA's first debt funding in India's housing finance sector.

181. Ans. C.

* M. Venkaiah Naidu, Union Minister for Urban Development, Housing & Urban Poverty Alleviation and Union Minister for Information & Broadcasting launched two important initiatives of the Ministry of Micro,

Small and Medium Enterprises (Ministry of MSME), viz. Micro and Small Enterprises Facilitation Council (MSEFC) portal and MyMSME Mobile App.

* the MyMSME mobile app on <http://my.msme.gov.in>, also launched by M. Venkaiah Naidu, provides information on all schemes implemented by the Ministry of MSME at one place.

* The MSME units have had always been complaining that information on all schemes were not available at a single place.

* Such a compilation is certainly the need of the hour so as to ensure that entrepreneurs need not be searching multiple windows for help or information.

182. Ans. A.

- The Reserve Bank of India (RBI) placed cash-strapped Lakshmi Vilas Bank (LVB) under a moratorium for a period of one month and restricted withdrawals at Rs 25,000 for depositors, owing to a serious deterioration in the lender's financial position.

- The RBI has also drafted a scheme of amalgamation for LVB with DBS Bank of India and aims to complete the merger process before moratorium period ends.

- The proposed amalgamation will provide stability and better prospects to LVB's depositors, customers and employees.

- As per the moratorium order, LVB will not, without RBI's permission, "make, in the aggregate, payment to a depositor of a sum exceeding Rs 25,000 lying to his credit, in any savings, current or any other deposit account, by whatever name called.

- The RBI has announced supersession of the Board of Directors of Lakshmi Vilas Bank.

- RBI has also appointed T. N. Manoharan, former Non-Executive Chairman of Canara Bank as the administrator of the crisis-ridden bank.

183. Ans. B.

- The Shamrao Vithal Co-operative Bank Ltd (SVC Bank) has entered into a partnership with National Payments Corporation of India (NPCI).

- They have entered into a partnership to launch a rewards programme.

- They launched loyalty management program with an aim to provide ease and rewardable banking experience to the customers.

- Under this reward program, customers will earn points upon using SVC Bank's cards and its digital solutions.

- The reward points can be redeemed to purchase products and services like electronics, sports, home decor, lifestyle, health etc.

184. Ans. B.

- Vigilance Awareness Week, 2020 will be observed from 27th October till 2nd November.

- Vigilance Awareness Week 2020 Theme: Satark Bharat, Samridhh Bharat (Vigilant India, Prosperous India).

- It is commemorated to affirm our commitment towards promotion of integrity and probity in public life through citizen participation.

185. Ans. B.

- Ministry of Housing and Urban Affairs has launched 'e-Dharti Geo Portal' to integrate legacy drawings such as maps and lease plans in the management information system and make its geographic information system (GIS)-enabled.

- Union Housing and Urban Affairs Minister: Hardeep Singh Puri

186. Ans. B.

- * It is a situation in which the inflation rate is high, economic growth rate slows, and unemployment remains steadily high.

- * It is also known as recession inflation.

- * It is dilemma for economic policy, since actions intended to lower inflation may worsen unemployment situation.

187. Ans. C.

- * Tighter monetary policy can decrease demand-pull or the cost-push inflation.

- * RBI may increase the bank rates/repo rates. etc (qualitative tool) to curb the supply of money in the market and hence can control inflation

- * RBI can resort to Open Market Operations for curbing inflation

- * Cutting expenditure on schemes, projects, spending, etc and Increasing direct or indirect tax are other tools for controlling inflation

188. Ans. B.

- NITI Aayog has constituted a 14-member advisory committee to look into introducing reforms in the urban planning education system.

- The panel will be headed by NITI Aayog Vice-Chairman Rajiv Kumar. The members of the committee include Amitabh Kant, CEO of NITI Aayog and secretaries of Ministry of Housing and Urban Affairs (MoHUA), Ministry of Education (MoE) and Ministry of Panchayati Raj.

- The committee will examine the current system in terms of multidisciplinary, curriculum and other related issues at the level of graduates and postgraduates against the challenges of rapid urbanization.

- The committee will examine the urban planning education system in India and examine the availability, demand and supply of the qualified urban planners in India.

189. Ans. D.

- The Labour and Employment Ministry revised the base year of the Consumer Price Index for Industrial Workers (CPI-IW) from 2001 to 2016 to reflect the changing consumption pattern, giving more weightage to spending on health, education, recreation and other miscellaneous expenses, while reducing the weight of food and beverages.
- The new series would not have an impact on the dearness allowance (DA) given to government employees for now.
- The linking factor of the new series to the old series was 2.88, something which employer federations had raised in consultations.

190. Ans. A.

- The primary allegations related to manipulation of TRPs on a payment.
- The alleged scam came to light when ratings agency Broadcast Audience Research Council (BARC) filed a complaint with the police, alleging that certain channels were rigging TRP numbers to lure advertisers.
- It was alleged that some families at whose houses metres for collecting data of viewership were installed were being bribed to tune into a particular channel.

191. Ans. D.

- * The "Go Electric" campaign was launched by Bureau of Energy Efficiency (BEE) in coordination with the Andhra Pradesh State Energy Conservation Mission.
- * The Andhra Pradesh State Government is to set up 400 Electric Vehicle charging vehicles all over the state to promote the usage of electric vehicles. This is to be achieved in coordination with the "Go Electric" campaign of BEE.
- * The main of the step is to attract investment in the EV sector by setting

up charging stations and electric vehicle infrastructure.

192. Ans. B.

- * Private lender ICICI Bank has launched a comprehensive banking programme for its millennial customers, (in the age bracket of 18 years to 35 years), called 'ICICI Bank Mine'.

* The 'ICICI Bank Mine' is India's first and unique product launched by the bank to offer a mobile-first, highly personalised and experiential led banking experience to the millennial customers.

193. Ans. C.

- * SBI Card and Payment Services Ltd partnered with Paytm and Visa to launch contactless co-branded credit cards, India's next generation credit cards.

* The credit card will be available in two variants, namely, Paytm SBI Card and Paytm SBI Card SELECT.

* The 2 variants have been designed for the new age, digitally savvy customers. The product has been launched on the Visa platform.

* The aim of the Partnership is to bring in 'new to credit' users into the formal economy and empower them to control their finances.

194. Ans. B.

- * Bangladesh and United States held a joint Naval Exercise CARAT. CARAT is Cooperation Afloat Readiness and Training. The exercise was held at Chittagong.

* Historically, the exercise involves people-to-people interactions, variety of professional exchanges, community relations project, Subject Matter Expert exchanges and social events. Due to COVID-19, the exercise was held virtually.

195. Ans. D.

- * On the back of the on-going TRP scam, the Ministry of Information and Broadcasting decided to constitute a

committee to review "Guidelines on Television Rating Agencies in India".

* Headed by Shashi S Vempati, CEO, Prasar Bharti, the committee will examine the different aspects of television rating systems in India and carry out any changes, if necessary.

* The committee will submit its report within two months from the issue of the notice.

* The present guidelines issued by the MIB on television rating agencies in India were notified after deliberations by the Parliamentary Committee, Committee on Television Rating Points (TRP) constituted by the MIB and recommendations of the Telecom Regulatory Authority of India (Trai).

196. Ans. A.

* Qatar's ruler announced that a vote to review the policy of the country is to be held in October 2021.

* This is the first of its kind in the region. Currently, un-elected Shura Council advises the absolute ruler, Emir Sheikh Tamim bin Hamad Al-Thani.

* Laws in Qatar can be overruled by a simple decree.

197. Ans. B.

* Duarte Pacheco, Portugal Parliamentarian was elected as the 30th President of Inter Parliamentary Union (IPU) for a three-year term of 2020-2023.

* He succeeds Gabriela Cuevas Barron, a Mexican Parliamentarian.

* The Presidential Election was conducted over the virtual platform during the 206th Session of the Governing Council of IPU, which was conducted as a virtual session.

* Around 400 parliamentarians from 140 member Parliaments registered their vote during the 24-hour window.

* More than 40% of the voting members were women

parliamentarians and 27% of them were under 45.

198. Ans. B.

• In West Bengal, Kolkata will soon feature India's first "Tyre Park", where artworks made from scrap and defective parts will be on display.

• The West Bengal Transport Corporation will launch this Tyre Park.

• The Tyre Park, which will come up at the Esplanade area, would have a small cafe where people can sit, relax and enjoy the craftsmanship made from tyres.

199. Ans. A.

• The first solar energy driven train was launched in Kerala by CM Pinarayi Vijayan on November 2, 2020.

• The train is first of its kind in the country.

• The train, which would be an attraction for children especially, was part of a string of projects totally worth Rs 60 crore taken up to elevate the facilities at the panoramic destination to international standards.

200. Ans. E.

• Priority Sector means those sectors which Govt of India and RBI consider as important for the development of the basic needs of the country and are to be given priority over other sectors.

• Priority Sector includes the following: Agriculture; Micro, Small and Medium Enterprises; Export Credit; Education; Housing; Social Infrastructure; Renewable Energy and Others.

201. Ans. C.

The computers of the third generation used **integrated circuits** (IC's) in place of **transistors**. A single **IC** has many **transistors**, **resistors**, and **capacitors** along with the associated circuitry.

Note: The period of the **third generation** was **1965-1971**.

202. Ans. C.

Ctrl+R is uses the **Fill Right command** to copy the contents and format of the **leftmost cell** of a **selected range** into the cells to the right.

203. Ans. E.

An arithmetic logic unit (ALU) is a digital circuit used to perform arithmetic and logic operations. It represents the fundamental building block of the central processing unit (CPU) of a computer. Modern CPUs contain very powerful and complex ALUs. In addition to ALUs, modern CPUs contain a control unit (CU).

204. Ans. B.

Master file manipulations require maximum security. High level security access controls should be placed to check the authority and authenticity of the individuals or processes making manipulation to master files.

205. Ans. A.

In shortcut, **Shift+ Delete** is used to Delete selected item permanently without placing the item in the Recycle Bin.

206. Ans. D.

Decimal equivalent of $(1111)_2$

$$(1111)_2 = (1 \times 2^3) + (1 \times 2^2) + (1 \times 2^1) + (1 \times 2^0)$$

$$= 8 + 4 + 2 + 1$$

$$= 15$$

207. Ans. B.

SMTP (Simple Mail Transfer Protocol) is a TCP/IP protocol used in sending and receiving e-mail. However, since it is limited in its ability to queue messages at the receiving end, it is usually used with one of two other protocols, POP3 or IMAP that let the user save messages in a server mailbox and download them periodically from the server. SMTP

usually is implemented to operate over Internet **port 25**.

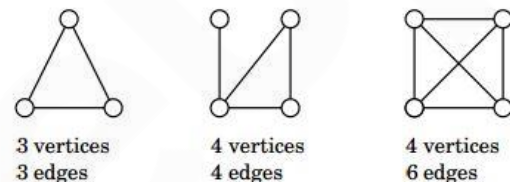
Many mail servers now support **Extended Simple Mail Transfer Protocol** (ESMTP), which allows multimedia files to be delivered as e-mail.

208. Ans. B.

• **A graph is a collection** of vertices and a **collection** of edges connecting some vertices.

• We can visualize **a graph** by drawing a picture where vertices are dots and edges are paths connecting the dots.

• They are often represented by a drawing



209. Ans. E.

Data redundancy is the existence of data that is additional to the actual data and permits correction of errors in stored or transmitted data. The additional data can be simply a complete copy of the actual data, or only select pieces of data that allow detection of errors and reconstruction of lost or damaged data up to a certain level.

210. Ans. D.

Handheld operating systems are designed to run on machines that have **lower speed processors** and **less memory**, they were designed to use less memory and require fewer resources.

211. Ans. A.

Random-access memory takes the form of **integrated circuits**. RAM is normally associated with **volatile types** of memory, where stored **information is lost** if power is removed.

212. Ans. A.

You can get **spyware** on your computer when you visit **certain websites**. It arrives as an **automatic download** from a **website you surfing**. A pop-up message may prompt you to download a software utility that it you need, or software may be **downloaded automatically** without your knowledge. This is called as **drive-by download**.

213. Ans. C.

If we want to see all the words **Microsoft Word** thinks you spelled wrong, Press **F7** and you'll jump to them one-by-one.

214. Ans. A.

A primary key is a database key uniquely identifies a record within a table.

215. Ans. C.

Bridges work at Layer 2 (Data Link) because they examine the **MAC address** of the packet which they base decisions upon.

216. Ans. C.

Character is in smallest size which is filled in a field, various field make record and record has been put in a form of file. The collection of several files is called database.

217. Ans. C.

Algorithm and protocols in the network layer are responsible for identifying the optional path to route and reliably deliver data packets from their source networks to their destination networks.

218. Ans. D.

Magnetic Ink Character Recognition Code (MICR Code) is a character-recognition technology used mainly by the banking industry to ease the processing and clearance of cheques and other documents.

219. Ans. D.

A **template** is pre-designed document that already has

coordinating fonts, a layout, and a background.

Hence, option D is correct.

220. Ans. C.

Attenuation is a general term that refers to **any reduction** in the strength **of a signal**. Attenuation occurs with any type of signal, whether digital or analog.

221. Ans. D.

Normalization is a process of organizing the data in **database** to avoid data redundancy, insertion anomaly, update anomaly & deletion anomaly.

222. Ans. C.

JavaScript is most commonly used as a client side scripting language. This means that JavaScript code is written into an HTML page.

Note: When a user requests an HTML page with JavaScript in it, the script is sent to the browser to do something with it.

223. Ans. C.

SQL (Structured Query Language) is a **standard interactive and programming language** for getting information from and **updating** a database.

224. Ans. C.

A **flowchart** is a type of diagram that represents an **algorithm, workflow** or process, showing **the steps as boxes** of various kinds, and their order by **connecting** them with arrows. This **diagrammatic** representation illustrates a **solution model** to a given problem.

225. Ans. D.

The **control unit** (CU) is a component of a computer's **central processing unit** (CPU) that directs operation of the processor. It tells the computer's **memory, arithmetic/logic** unit, **input** and **output** devices how to respond to a program's instructions.

226. Ans. B.

RTF (Rich Text Format) is a text file format used by Microsoft products, such as Word and Office and developed by Microsoft in 1987 for use in their products and for cross-platform document interchange. RTF files support text style formatting, as well as images within the text.

Note: RTF files can be converted into a different format by changing the formatting selection when saving the word document.

227. Ans. B.

A monitor or a display is an **electronic visual display** for compute. A monitor usually comprises the display device, circuitry, casing and power supply.

Note:- The **display device** in modern monitors is typically a thin film transistor liquid crystal display (TFT-LCD) thin panel, while older monitors used a cathode ray tube (CRT).

228. Ans. D.

DSL (Digital Subscriber Line) uses existing **2-wire copper telephone line** connected to one's home so service is delivered at the same time as **landline** telephone service. **Broadband Internet connections** such as **DSL** and **cable** are considered **high-bandwidth** connections.

229. Ans. D.

The **File Transfer Protocol** (FTP) is a **standard network protocol** used to transfer computer files from one host to another host over a **TCP-based network** such as the Internet.

230. Ans. D.

A **peripheral device** is generally defined as any **auxiliary device** such as a **computer mouse** or **keyboard** that connects to and works with the computer in some way.

Note:- Other **examples** of peripherals are **image scanners**, **tape drives**, microphones,

loudspeakers, webcams, and digital cameras.

231. Ans. D.

• A **plug-in** is a software component that adds a **specific feature** to an **existing software** application.

• When an application supports plug-ins, it enables customization.

• So, plug-ins is the correct answer. So, option D is the correct answer.

232. Ans. E.

E-commerce (**electronic commerce**) is trading in products or services using **computer networks**, such as the **Internet**.

233. Ans. B.

Datagram is a self-contained packet of data that carries with it the source and destination information for correct routing. Datagram travels from a source computer to a destination computer via a packet switched network independent of any communication between the two computers.

234. Ans. E.

Vertical space between lines of text in a document is called **line space**.

235. Ans. C.

When operating system is loaded in RAM the **booting process** can be done, after electrical power to the CPU is switched from off to on.

236. Ans. B.

In computing, a **hyperlink** is a reference to data that the reader can **directly follow** either by clicking or by hovering.

Note:- A hyperlink points to a whole document or to a **specific element** within a document. Hypertext is text with hyperlinks.

237. Ans. C.

Wireless Application Protocol (WAP) is a technical standard for accessing information over a **mobile wireless network**. A WAP browser is a web browser for mobile devices

such as **mobile phones** that uses the protocol.

238. Ans. A.

FTP is better than HTTP as it has built in flow control. The control channel and data channels are independent of each other two separate TCP connections.

Note: FTP is the two-way systems as files are transferred back and forth between file server and workstation. Whereas http is a one-way system as files are transported only from the web server onto the workstation's browser.

239. Ans. B.

Shift key used to type capital letters and other alternate "upper" characters. There are typically two shift keys, on the left and right sides of the row below the home row. The shift key's name originated from the typewriter, where one had to press and hold the button to shift up the case stamp to change to capital letters.

240. Ans. C.

In the context of a relational database, **a row** is also called a record or **tuple**. It represents a **single, implicitly structured** data item in **a table**.

