SBI CLERK-2017-PRE-MEMORY BASED PAPER-2

TOTAL TIME:-60 MINS

ENGLISH LANGUAGE

DIRECTION (Q. 1-5):- Read the sentence to find out whether there is any error in it or not. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (E). Ignore errors of punctuation, if any.

1. Her house (A)/ is besides (B)/ a big (C)/ banyan tree. (D)
(A) A   (B) B   (C) C   (D) D   (E) No error

2. If I was you, (A)/ I would not go (B)/ to the market (C)/ at night. (D)
(A) A   (B) B   (C) C   (D) D   (E) No error

3. When I will (A)/ reach (B)/ at the office, (C)/ I will text you. (D)
(A) A   (B) B   (C) C   (D) D   (E) No error

4. Our car (A)/ went (B)/ over (C)/ the jungle. (D)
(A) A   (B) B   (C) C   (D) D   (E) No error

5. He (A)/ is resembling (B)/ his (C)/ brother a lot. (D)
(A) A   (B) B   (C) C   (D) D   (E) No error

DIRECTION (Q. 6-10):- In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the five alternatives.

Real growth comes with hard work and sweat. Being too comfortable doesn't help us grow – it makes us ____ (A) ____. What is your comfort zone? Do you keep to your own space when out with other people? Do something different. By _____ (B) ____ yourself to a new context, you're literally growing as you learn to act in new _____ (C) _____. Competition is one of the best ways to grow. Set a challenge (weight loss, exercise, financial challenge, etc) and ____ (D) ____ with an interested friend to see who _____ (E) _____ the target first.

6. Which of the following fits in the blank labelled (A)?
(A) Bold   (B) Accede   (C) Stagnate   (D) Hapless   (E) Impecunious

7. Which of the following fits in the blank labelled (B)?
(A) Exposing   (B) Alluring   (C) Figuring   (D) Imputing   (E) Posturing

8. Which of the following fits in the blank labelled (C)?
(A) Fringe   (B) Circumstances   (C) Injunction   (D) Knell   (E) Largesse

9. Which of the following fits in the blank labelled (E)?
(A) Abrogates   (B) Delves   (C) Achieves   (D) Rejects   (E) Bilks

10. Which of the following fits in the blank labelled (D)?
(A) Deceive   (B) Pert   (C) Audacious   (D) Laud   (E) Compete

DIRECTION (Q. 11-15):- In the following questions four words are given in bold. One of these words given in bold may be wrongly spelt or inappropriate in the context. Find out that word. If all the words are correct, choose 'All correct' as the answer.

11. On the **basis** of less **offensive** circumstances, Rishabh was **acquitted** from the **play**.
(A) basis   (B) offensive   (C) acquitted   (D) play   (E) All Correct

12. The **cardinal** strategy of economic **fortune** is the **competence** to **curb** inflation.
(A) cardinal   (B) fortune   (C) competence   (D) curb   (E) All Correct

13. He became **cognizant** that old age and **robustness** had **begun** to **seize** him.
(A) cognizant   (B) robustness   (C) begun   (D) seize   (E) All Correct

14. The sudden **conk** in the share market brought **copious profit** to the business **tycoon** and he became insolvent.
(A) conk   (B) copious   (C) profit   (D) tycoon   (E) All Correct

15. The cops were **baffled** so they **summoned** a **sleuth** to **investigate**.
(A) baffled   (B) summoned   (C) sleuth   (D) investigate   (E) All Correct

DIRECTION (Q. 16-25):- Read the passage given below and then answer the questions given below the passage.

Once upon a time a farmer, Gopi, lived in a village. He had few acres of land. One hot afternoon, the poor farmer was digging his field. All of a sudden, his spade hit something. Then he continued his digging. "It is a big metal pot," said Gopi. It was big enough to boil rice for more than hundred people. "It does not seem to be of any use to me. I will dig deeper. Maybe I will find something else," thought Gopi. He continued to dig. After he had dug for a long time, Gopi felt tired. "It is of no use. There is nothing in this field" he thought. Then at once, he threw the spade into the pot in frustration and sat under a tree to take rest for a while.

After a while, when he got up to leave, he could not believe his eyes. There were one hundred spades in the pot. "This is a magical pot. I will put this mango inside the pot and see what happens," Gopi thought. Then Gopi put a mango into the

pot. To his astonishment, he found one hundred mangoes in the pot. Gopi carried the pot to his home and kept in a secret place so that no one would become aware of it.

After that, he put many things in that and everything became hundredfold. When he put a single coin in it, he found a hundred coins. With that pot, he became a rich man. The King came to know of the pot and its whereabouts. The King was curious to know about it and he was a greedy King. "I want to find out the secret of the magical pot. If it is valuable, it should be in the King's treasury," the King thought. Then at once, the King ordered his men to bring the farmer and his pot.

When the magic pot was brought to the King's chamber, he did not know what to do. The King thought, "Let me see what is there inside this pot which makes this pot so magical?" He peered inside. Inadvertently, he slipped and fell inside the pot. When he climbed out of the magic pot, he was shocked to find that there were one hundred Kings. All the kings then started to climb the throne. They fought among themselves and died. The magic pot lay in the King's treasury. "The foolish King took away the magic pot from me out of curiosity and eventually he died. This magic pot has killed the King himself," said the farmer and in order to be safe, he left the magic pot at the treasury of the King itself, away from the world.

16. What did the king decide to do upon knowing about the magic pot?
(A) To find out more about the magic pot
(B) To punish Gopi
(C) To claim the magic pot for the treasury
(D) Both A and B
(E) Both A and C

17. Given below is a word from the passage. Choose its antonym from the options - Valuable
(A) Costly   (B) Invaluable   (C) Worthless   (D) Prized   (E) Worthwhile

18. Choose a suitable title for the passage .
(A) Unjust king   (B) Gopi and the pot   (C) The magic pot   (D) Farmer finds a pot
(E) King and the pot

19. Consider the following statements. Which of them is/are incorrect?
A. Gopi found the magic pot in his field
B. The king gathered a lot of wealth from the pot
C. Gopi never claimed the pot back from the treasury
(A) Only A   (B) Only B   (C) Only C   (D) Both A and B (E) Both B and C

20. Why did Gopi put a mango in the pot?
(A) He was tired of mangoes
(B) He was hungry
(C) There were a lot of mangoes around
(D) He wanted to test the metal pot
(E) He wanted to take the mangoes to the king

21. Why did Gopi keep on digging after finding the pot?
(A) To bury the pot   (B) To find something valuable   (C) To plant his field
(D) To please the king   (E) To bury his spade

22. Why did Gopi leave the magic pot in the king's treasury?
(A) To let the king benefit from the pot
(B) To stop others from using it and destroying themselves like the king
(C) To keep it safe
(D) Only B and C
(E) A, B and C

23. Choose an option that gives its synonym -Astonishment
(A) Unlock   (B) Surprise   (C) Understanding   (D) Gather   (E) Ponder

24. Which of the following things were not multiplied by the magic pot?
(A) The king   (B) Spade   (C) Mango   (D) Coin   (E) Gopi

25. What could be a possible moral for the given story?
(A) One should keep quiet about one's fortune
(B) One should not share treasures
(C) Man must look after one's own interests
(D) Excessive greed is harmful
(E) One should not seize others' things

DIRECTION (Q. 26-30):- Rearrange the following five sentences (A), (B), (C), (D) and (E) in a proper sequence so as to form a meaningful paragraph, and then answer the questions given below.
A. But Galileo began to argue that it was not so.
B. When Galileo was young, people believed that the earth was the centre of Universe.
C. He said that the Earth and the other planets moved around the sun.

D. He was imprisoned for voicing this unorthodox view.
E. This belief was supported by the State and the Church.
26. Which of the following should be the FIRST sentence after rearrangement?
(A) A   (B) B   (C) C   (D) D   (E) E
27. Which of the following should be the SECOND sentence after rearrangement?
(A) A   (B) B   (C) C   (D) D   (E) E
28. Which of the following should be the THIRD sentence after rearrangement?
(A) A   (B) B   (C) C   (D) D   (E) E
29. Which of the following should be the FIFTH sentence after rearrangement?
(A) A   (B) B   (C) C   (D) D   (E) E
30. Which of the following should be the FOURTH sentence after rearrangement?
(A) A   (B) B   (C) C   (D) D   (E) E

QUANTITATIVE APTITUDE

DIRECTION (Q. 31-37):- What should come in place of question mark '?' in the following number series?
31. 10, 9, 1, -26, ?
(A) 88   (B) 86
(C) 36   (D) -90
(E) -38
32. 110, 132, 156, 182,?
(A) 240   (B) 200
(C) 250   (D) 190
(E) 210
33. 5, 15, 90, ?, 25920
(A) 1080   (B) 990
(C) 20000   (D) 15080
(E) 16500
34. 60, 32, 18, 11, ?
(A) 10   (B) 9
(C) 8.5   (D) 7.5
(E) 4
35. 5, 10, 26, 50, ?
(A) 100   (B) 92
(C) 122   (D) 82
(E) 145
36. $\sqrt[4]{(1996 \times 39) \div 12 + 74} = (?)^2$
(A) 1   (B) 5
(C) 3   (D) 7
(E) 9
**37**. $215 \times ? \times 17 = 45625 + 38440$

(A) 23   (B) 22
(C) 13   (D) 24
(E) None of these
38. What approximate value should come in the place of question mark '?' in the following question? (You are not expected to calculate the exact value)
$\{(21.99)^3 + (9.45)^2 - 8.9993\} \div ? = 99.94$
(A) 100   (B) 22
(C) 35   (D) 49
(E) None of these
39. What will come in the place of the question mark '?' in the following question?
7.75% of (40% of 900) – 3.5% of (30% of 700) = ?
(A) 15.55   (B) 20.55
(C) 26.65   (D) 22.75
(E) None of these
40. What will come in place of question mark '?' in the following question?
4.5% of 300 + ? = 5.6% of 750 – 10% of 25
(A) 29   (B) 24
(C) 26   (D) 28
(E) None of these

41. Which of the following fraction is greater as well as less than two of the given fractions?
11/16, 14/17, 15/19, 12/18, 10/14
(A) 11/16   (B) 14/17
(C) 15/19   (D) 12/18
(E) 10/14
42. What should come in place of question mark '?' in the following question?
$0.008 \times 0.001 \times 0.072 \div (0.12 \times 0.0004) = ?$
(A) 1.2   (B) 1.02
(C) 0.12   (D) 0.012
(E) 10.2
43. What will come in place of question mark '?' in the following question?
$(0.064) \times (0.4)^7 = (0.4)^? \times (0.0256)^2$
(A) 10   (B) 8
(C) 14   (D) 2
(E) None of these
44. What will come in place of question mark '?' in the following question?
$(16)^9 \div (16)^4 \times (16)^3 = (16)^?$
(A) 8   (B) 16
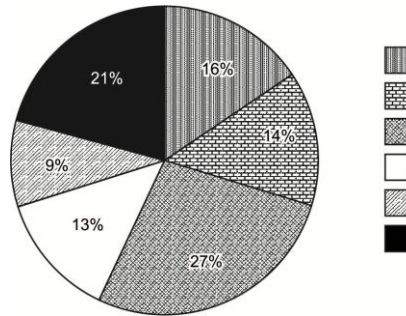(C) 64   (D) 32
(E) None of these

Directions (Q. 45-49):- Study the pie charts given below and answer the questions followed.
Quantity of Different Product and the Total Income Earned
Total quantity produced = 5000 tonnes
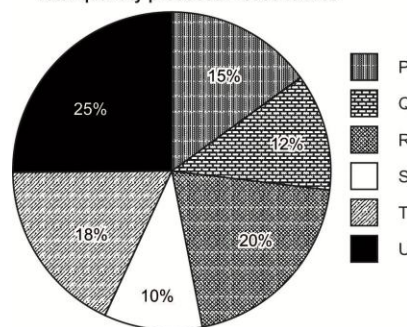
Total income earned = Rs. 48 Million

45. The selling price per tonne of which product is maximum?
(A) S   (B) R
(C) P   (D) Q
(E) None of these

46. What is the per tonne average selling price of P and T together?
(A) Rs. 5800   (B) Rs. 7100
(C) Rs. 7520   (D) Rs. 6500
(E) Rs. 9500

47. What is the per tonne selling price of product Q?
(A) Rs. 13580   (B) Rs. 12500
(C) Rs. 11200   (D) Rs. 10700
(E) None of these

48. What is the average selling price (per tonne) of all the products given?
(A) Rs. 7525   (B) Rs. 9200
(C) Rs. 8500   (D) Rs. 9600
(E) Rs. 8525

49. If the cost of production of U was Rs. 7680 per tonne, then find the profit percentage?
(A) 6.5   (B) 5
(C) 3   (D) 7
(E) None of these

50. A card is drawn from a well shuffled pack of spades and clubs. What is the probability that the card drawn is neither a red card nor queen?
(A) 0   (B) 1
(C) $\frac{6}{13}$ (D) $\frac{12}{13}$
(E) None

51. What is the depth of a cylindrical tank whose capacity is 2200 cubic metres and diameter of the base is 14 m?
(A) 10 m   (B) 8 m
(C) 14 m   (D) 15 m
(E) 14.28 m

52. Amit can do a piece of work in 10, while Balu alone can do it in 15 days. They work together for 5 days and the rest of the work is done by Chawla in 2 days. If they got Rs. 450 for the whole work. How the money should be divided among them?

(A) Rs. 225, Rs.150, Rs. 75
(B) Rs. 250, Rs. 100, Rs. 100
(C) Rs. 200, Rs. 150, Rs. 100
(D) Rs. 175, Rs. 175, Rs. 100
(E) None of these

53. Mr. Thomas invested an amount of Rs. 13,900 divided in two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years be Rs. 3508, what was the amount invested in Scheme B?
(A) Rs. 6400   (B) Rs. 6500
(C) Rs. 7200   (D) Rs. 7500
(E) None of these

54. Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively and they cross each other in 23 seconds. The ratio of their lengths is?
(A) 1 : 3   (B) 3 : 2
(C) 3 : 4   (D) 3 : 1
(E) None of these

55. A man borrowed Rs. 1400 for 2 years at a compound interest of 6% per annum. What is his annual instalment?
(A) Rs. 679.61   (B) Rs. 700
(C) Rs. 733.83   (D) Rs. 763.61
(E) Rs. 784

56. Three pumps P, Q and R can fill an overhead water tank in 6 hr, 10 hr and 12 hr respectively. Pump operator start all three pumps at 7 pm.The pump P goes breakdown at 8 : 30 pm. By what time pump operator should switch off the other two pumps just before the tank starts overflow?
(A) 11 : 05 pm   (B) 11 : 17 pm
(C) 10 : 50 pm   (D) 10 : 19 pm
(E) 10 : 11 pm

57. Ebay offers the following discount plans for buyers of electronic goods
Plan 1: successive discount of 15% and 20%

Plan 2: discount of 14% followed by other discount of 21%
Plan 3: two successive discount of 10% and 25%
Plan 4: two successive discount of 18%
The selling price will be least under which Plan?
(A) Plan 1   (B) Plan 2
(C) Plan 3   (D) Plan 4
(E) None

58. A boat covers a certain distance upstream in 6 hours but takes 3 hours to go downstream. If the speed of the current is 5 km/hr. Find the speed of the boat in still water?
(A) 25 km/hr   (B) 20 km/hr
(C) 15 km/hr   (D) 12 km/hr
(E) 10 km/hr

59. Swati buys 12 balloons from a shopkeeper at a rate of Rs. 5 per balloon. She sells it to Naina at a profit of 20%. However Naina mistakenly bursts two of the balloons. Still after selling those balloons, she gains a profit of 10%. For how much does Naina sell each balloon?
(A) Rs. 6.6   (B) Rs. 7.92
(C) Rs. 5.55   (D) Rs. 6
(E) None

60. Neha has some hens and some goats. If the total number of animal heads are 79 and the total number of animal legs are 236, how many hens does Neha have?
(A) 40
(B) 46
(C) 44
(D) Cannot be determined
(E) None of these

61. The HCF of two numbers is 27 and the other two factor of their LCM are 16 and 19. The larger of the two numbers is
(A) 513   (B) 432
(C) 531   (D) 423
(E) 346

62. A mixture contains milk and water in the ratio 9 : 8. If 10 litres of water is added to it, the ratio of milk and water becomes 51 : 47. Find the original quantity of milk in mixture.
(A) 306 litres   (B) 272 litres
(C) 282 litres   (D) 305 litres
(E) None of these

63. The income of Suhas for two consecutive years is in the ratio of 7 : 10 and his expenses are in ratio of 2 : 3. If his income in first year is Rs 56000 and his expenses in the second year is Rs 60000, then calculate the total savings of Suhas in 2 years?
(A) Rs 30000   (B) Rs 40000
(C) Rs 35000   (D) Rs 25000
(E) Rs 36000

64. The average weight of Amrit, Binod and Charan is 32 kg. If the average weight of Amrit and Binod be 33 kg and that of Binod and Charan be 30.5 kg, find the weight of Binod.

(A) 42 kg   (B) 31 kg
(C) 32 kg   (D) 48 kg
(E) None of these

65. From a container having pure milk, 20% is replaced by water and the process is repeated thrice. At the end of the third operation, the milk is
(A) 40% pure   (B) 50% pure
(C) 51.2% pure   (D) 66% pure
(E) None of these

REASONING ABILITY

66. If in the English alphabet, every even letter beginning from B is replaced by odd number beginning with 3, which letter/number will be the third to the right of tenth number/letter counting from your right?
(A) M   (B) S
(C) 11   (D) 23
(E) None of these

67. Choose or Find the odd number among the given numbers below
6453, 4859, 3747, 7845, 2479
(A) 6453   (B) 4859
(C) 3747   (D) 7845
(E) 2479

68. In the series 3, 9, 15, ____what will be the 23rd term?
(A) 134   (B) 121
(C) 123   (D) 129
(E) 135

Directions (Q. 69-73):- Read the following information carefully to answer these questions.
In a certain code language,
(A) 'sy bo nj kw' means 'good time to buy';
(B) 'sy ta ge mr' means 'invest money and time';
(C) 'ta fp mr ux' means 'only work and money';
(D) 'kw bo rd fp' means 'buy good stuff only'.
69. Which of the following represents 'to' in that language?
(A) ge   (B) kw
(C) nj   (D) sy
(E) bo

70. What is the code for "buy good" in the given code language?
(A) bo kw   (B) kw nj
(C) rd bo   (D) rd nj
(E) Can't be determined

71. What is the code for "only time and money" in the given code language?

(A) sy bo ux fp   (B) fp ta rd kw
(C) ge fp ta bo   (D) mr ta sy fp
(E) bo nj ta ge

72. What is the code for "stuff" in the given code language?
(A) fp   (B) rd
(C) kw   (D) bo
(E) Either bo or rd

73. What is the code for "invest time to work" in the given code language?
(A) sy bo mr fp   (B) ta nj kw rd
(C) ta fp ux nj   (D) mr sy bo ta
(E) ux ge nj sy

Directions (Q. 74-76):- Read the following information carefully to answer these questions.
C + D means C is the daughter of D
C × D means C is the son of D
C – D means C is the wife of D
74. If P × Q – S, which of the following is true?
(A) S is wife of Q
(B) S is father of P
(C) P is daughter of Q
(D) Q is father of P
(E) None of these

75. If T – S × B – M, which of the following is not true?
(A) B is mother of S
(B) M is husband of B
(C) T is wife of S
(D) S is daughter of B
(E) S is son of B

76. In the expression Q × P – L × M, how is Q related to M?
(A) Son
(B) Grandson
(C) Granddaughter
(D) Cannot be determined
(E) None of these

77. Rani is younger than Suma. Sumathi is younger than Rani but elder than Amitha. Amitha's age is equal to Manasa. Who is older than only Rani?
(A) Amitha   (B) Manasa

(C) None   (D) Suma
(E) Can't be determined

Directions (Q. 78-79):- In this question, the relationship between different elements is shown in the statements. The statements are followed by two conclusions, give answer.

78. Statements: $T < D \leq U$; $L > D \leq K$; $D \geq G$
Conclusions:
I. $K \geq G$
II. $L > G$
(A) Only conclusion I is true
(B) Only conclusion II is true
(C) Either conclusion I or II is true
(D) Neither conclusion I nor II is true
(E) Both conclusions I and II are true

79. Statements: $H = E \leq W$; $C \geq W < S$
Conclusions:
I. $C = E$
II. $C > E$
(A) Only conclusion I is true
(B) Only conclusion II is true
(C) Either conclusion I or II is true
(D) Neither conclusion I nor II is true
(E) Both conclusions I and II are true

80. Which of the following should replace the question mark so that H > M is definitely true?
$Z = Y > X \geq M \leq G ? L \leq H$
(A) =   (B) >
(C) ≤   (D) <
(E) ≥

Directions (Q. 81-82):- In the following question assuming the given statements to be true, find which of the conclusion among given conclusions is /are definitely true and then give your answers accordingly.

81. Statements: $Z \leq L = M$; $X \geq S > L$; $Q > X = R$
Conclusions:
I. $R > Z$

II. Q ≥ M
(A) None is true
(B) Only I is true
(C) Only II is true
(D) Both I and II are true
(E) Either I or II follows
82. Statements: X < Y ≤ A = I ≥ M > N; O ≥ L = E > A < D; B < S > I > R
Conclusions:
I. X < L
II. S ≥ N
III. O > R
IV. B > N
(A) None is true
(B) Only I and III are true
(C) Only III and IV are true
(D) Only I, III and IV are true
(E) Only I is true
Directions (Q. 83-87):- In the question below are given four statements followed by four Conclusions numbered I, II, III and IV. 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.
83. Statements:
Some songs are palms.
Some covers are palms.
Some palms are real.
Conclusion:
I. Some songs are real.
II. Some cover are real.
(A) None follows
(B) Only I follows
(C) Only II follows
(D) Both I & II follow
(E) Either I or II follows
84. Statements:
Most songs are pillows.
Few pillows are nests.
Every nest is frog.
No frogs are goats.
Every goat is doll.
Conclusions:
I. No frog is doll.
II. All frogs can be songs.
III. No nest is doll.
IV. Some songs are frogs.
(A) Only IV follows
(B) Only II follows
(C) Only III follows
(D) Only II and IV follow
(E) All follow

85. Statements:
All beans are cups.
Few cups are toys.
99% toys are cats.
Some cats are not dogs.
Each dog is king.
Conclusions:
I. All cats can be kings
II. Some cups are cats
III. All dogs can be beans
IV. No cup is king
(A) None follows
(B) Only I & III follows
(C) Only III & IV follow
(D) Only II & III follow
(E) None of these
86. Statements:
Some dogs are dolls.
Some dolls are zoos.
No dog is film.
Conclusion:
I. No doll is film
II. Some dogs are zoos
(A) None follows
(B) Only I follows
(C) Only II follows
(D) Both I & II follow
(E) Either I or II follow
87. Statements:
All guns are peppers.
Some peppers are buses.
No bus is roads.
Some roads are pots.
Conclusion:
I. All peppers are guns.
II. Some buses are guns.
III. No pot is a bus.
IV. No road is pepper.
(A) None follows
(B) Only I follows
(C) Only I and III follow
(D) Only II and IV follow
(E) Only I, II and III follows
Directions (Q. 88-90):- Read the following information and answer the given questions
A, B, C, D, E, F, G and H are sitting around a square table facing the center in such a way that four of them sit at four corners of the square table while four sit in middle of each of the four sides. A sits second to the right of F, who sits in the middle of one of the sides of the table. G, who doesn't sit at any corners of the table sits second to the right of D. Only two people sit between D and B. C is not an immediate neighbor of G. H sits second to the left of B. E is not

an immediate neighbor of either G or F.
88. Who sits exactly between F and A?
(A) B   (B) C
(C) E   (D) H
(E) Can't be determined
89. How many persons sit between A and H when counted in anti → clockwise direction from A?
(A) None   (B) One
(C) Two   (D) Three
(E) Four
90. What is the position of F with respect to C?
(A) Third to the left
(B) Immediate right
(C) Second to the left
(D) Third to the right
(E) Immediate left
Directions (Q. 91-95):- Read the following information and answer the given questions.
Eight people A, B, C, D, E, F, G and H are sitting in a straight line facing North. Each of them has passed a recruitment exam and must join the office in different months, viz January, February, March, April, May, June, July and August but not necessarily in the same order.
G sits third to the right of the person who joins in May. The person who joins in August sits second the right of G. Neither A nor E has joining dates in either May or August. A and E are immediate neighbors of each other. Neither A nor E is an immediate neighbor of G. H sits third to the right of the person whose joining date is January. Neither A nor E has joining dates in January. H's joining date is not in August. Only two people sit between E and the person whose joining date is in July. The person, whose joining date is in February sits on the immediate left of D. Only one person sits between E and B. C joins before July. E joins after April. G joins After A.
91. In which of the following months does H join the office?
(A) April   (B) June
(C) July   (D) February
(E) March
92. Who among the following sits exactly between E and B?
(A) The person whose joining date is in May

(B) The person whose joining date is in January
(C) D
(D) A
(E) The person whose joining date is in August

93. Which of the following is true regarding D?
(A) Only two people sit to the left of D
(B) D is sitting second to the right of the person whose joining is in July
(C) E and B are immediate neighbors of D
(D) D's joining date is in May
(E) None of the Above

94. How many people sit between C and the person whose joining date is in April?
(A) None   (B) One
(C) Two   (D) Three
(E) Four

95. Who among the following are sitting at the extreme ends of the line?
(A) A and the person whose joining date is in August
(B) The person whose joining date is in May and E
(C) C and G
(D) The persons whose joining dates are in March and June
(E) None of these

Directions (Q. 96-100):- Read the following information and answer the given questions.

J, K, L, M, S, T, U and V are eight employees of an organisation and they will attend a meeting in the four months (March, June, October, November) in a year. The meeting held in each month on 13th and 22nd date. Only two meetings held in a month. Each of the employees has a distinct and favourite colour of choice ranging from Blue, Red, Yellow, White, Black, Pink, Green and Brown but not necessarily in the same order.

(i) No person attends meeting after L. M attends the meeting in the month which has less than 31 days.
(ii) S, who likes red colour and U attend the meeting after M on date 22nd of different months.
(iii) The employees who attend first and last meetings in the year like Yellow colour and black colour respectively.
(iv) J and K attend the meeting before M, who likes White colour.
(v) The persons who like Pink and green attends the meeting in same month on dates 22nd and 13th respectively.
(vi) V doesn't attend the meeting in the month in which S attends or L attends.

(vii) The employee who attends meeting on 13th November likes Blue colour. The person Who likes Brown attends the meeting after J in same month.

96. The employee, who likes Blue colour is -
(A) J   (B) V
(C) T   (D) M
(E) None of these

97. V attends the meeting on
(A) 13th of October
(B) 22nd of June
(C) 13th of June
(D) 13th of November
(E) None of these

98. The employee, who likes Red colour attends the meeting on
(A) 13th of June
(B) 22nd of March
(C) 22nd of June
(D) 13th November
(E) None of these

99. The employee who attends the meeting before S in same month is
(A) M   (B) T
(C) L   (D) U
(E) None of these

100. The employees who attend meeting in November are -
(A) U, T   (B) T, L
(C) M, S   (D) U, V
(E) None of these

SBI CLERK 2017(PRE)MEMORY BASED PAPER -2 SOLUTION

31. (D) $10 - 1^3 = 10 - 1 = 9$

$9 - 2^3 = 9 - 8 = 1$

$1 - 3^3 = 1 - 27 = -26$

$-26 - 4^3 = -26 - 64 = -90$

32. (E) $110 + 22 = 132$

$132 + 24 = 156$
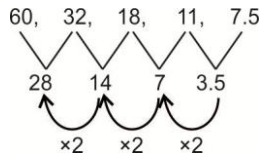
$156 + 26 = 182$

$182 + 28 = 210$

33. (A) $5 \times 3 = 15$

$15 \times 6 = 90$

$90 \times 12 = 1080$

$1080 \times 24 = 25920$

34. (D)

35. (C) $2^2 + 1 = 5$

$3^2 + 1 = 10$

$5^2 + 1 = 26$

$7^2 + 1 = 50$

$11^2 + 1 = 122$

36. (C) $= \sqrt[4]{\dfrac{1996 \times 39}{12} + 74}$

$= \sqrt[4]{6487 + 74}$

$= \sqrt[4]{6561}$

$= \sqrt[4]{(9)^4} = 9$

$(3)^2 = (?)^2 \Rightarrow ? = 3$

37. (A) $215 \times ? \times 17 = 84065$

$? = \dfrac{84065}{215 \times 17}$

$? = 23$

38. (A) $\dfrac{10648 + 81729}{x} = 100$

$x = 100$

39. (B) $\dfrac{775}{10000}\left[\dfrac{40}{100} \times 900\right] - \dfrac{35}{100} \times \left[\dfrac{30}{100} \times 700\right]$

$= 27.9 - 7.35$

$= 20.55$

40. (C) $? = \dfrac{56}{100} \times 750 - \dfrac{10}{100} \times 25 - \dfrac{45}{100} \times 300$

$= 42 - 2.5 - 13.5$

$= 26$

41. (E) $\dfrac{11}{16} = 0.68$

$\dfrac{14}{17} = 0.82$

$\dfrac{15}{19} = 0.78$

$\dfrac{12}{18} = 0.66$

$\dfrac{10}{14} = 0.71$

42. (D) $\dfrac{8 \times 1 \times 72 \times 1000000}{12 \times 4 \times 1000000000}$

$= 0.012$

43. (D) $\Rightarrow (0.4)^3 \times (0.4)^7 = (0.4)^? \times (0.4)^8$

$3 + 7 = ? + 8$

$? = 2$

44. (A) $(16)^{9-4+3} = (16)^?$

$? = 8$

45. (B) For R

Produced $= 5000 \times \dfrac{20}{100} = 1000$

SP $= \dfrac{48 \times 27}{1000 \times 100} = 0.01296$

46. (C) Total produced by P $= 5000 \times \dfrac{15}{100}$

$= 750$ tonnes

Total produced by T = $5000 \times \dfrac{18}{100}$

= 900 tonnes

SP from P = $48 \times \dfrac{96}{100}$ = 7.68 million

SP from T = $48 \times \dfrac{9}{100}$ = 4.32 million

SP per tonne of P = $\dfrac{7.68}{750}$ = Rs. 10240

SP per tonne of T = $\dfrac{4.32}{90}$ = Rs. 4800

Required average = $\left(\dfrac{10240 + 4800}{2} \right)$

= Rs. 7520

47. (C) Total quantity produced by Q

= $5000 \times \dfrac{12}{100}$ = 600 tonnes

SP of Q = Rs. $48 \times \left(\dfrac{14}{100} \right)$ = 6720000

SP per tonne = Rs. $\dfrac{6720000}{600}$

Rs. 11200

48. (D) Average SP = $\dfrac{48\,million}{5000}$

= Rs. 9600

49. (B) Total CP of U = $5000 \times \dfrac{25}{100} \times 7680$

= 9600000

Total SP of U = $\dfrac{21}{100} \times 48\,million$

= 10080000

Profit = 10080000 – 9600000

= Rs. 480000

% = $\dfrac{480000}{9600000} \times 100$ = 5%

50. (D) Number of cards the are neither red nor queen

= 26 – 2 = 24

Total cards = 26

Required Prob. = $\dfrac{24}{26} = \dfrac{12}{13}$

51. (E) Volume = $\pi r^2 h$

$2200 = \pi \times 7 \times 7 \times h$

H = $\dfrac{2200 \times 7}{22 \times 7 \times 7}$ = 14.28m

52. (A)

$$A \to 10 \quad \begin{matrix} 3 \\ 2 \end{matrix} \quad 30 \\ B \to 15$$
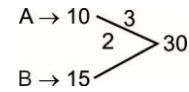
1 day→5 units

5 days = 25 units

Remaining work = 30 – 25 = 5

Ratio of work done = 15 : 10 : 5

= 3 : 2 : 1

A = $\dfrac{3}{6} \times 450$ = Rs. 225

B = $\dfrac{2}{6} \times 450$ = Rs. 150

C = $\dfrac{1}{6} \times 450$ = 75

53. (A) Let $P_1 = x$, $P_2 = 13900 - x$

According to question

$\dfrac{x \times 14 \times 2}{100} + \dfrac{(13900 - x) \times 11 \times 2}{100}$

= 3508

14x + 152900 – 11x = $\dfrac{350800}{2}$

3x = 175400 – 152900 = 22500

x = 7500

P_2 = 13900 – 7500 = 6400

54. (E) Let lengths be l_1 & l_2 resp.

& speeds be S1 & S_2 resp.

According to question

$S_1 = \dfrac{l_1}{27} = S_2 = \dfrac{l_2}{17}$

& $(S_1 + S_2) = \dfrac{l_1 + l_2}{23}$

$$\frac{l_1}{27} + \frac{l_2}{17} = \frac{l_1 + l_2}{23}$$

$$\Rightarrow \frac{l_1}{27} - \frac{l_1}{23} = \frac{l_2}{23} - \frac{l_2}{17} - \frac{4l_1}{27}$$

$$= -\frac{6l_2}{17} \Rightarrow \frac{x}{y} = \frac{81}{34}$$

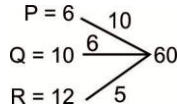**55. (D)** Let installments be x

According to Question

$$x + x\left(1 + \frac{6}{100}\right) = 1400\left(1 + \frac{6}{100}\right)^2$$

$$x + 1.06x = 1400 \times 1.1236$$

$$2.06x = 1573.04$$

$$x = 763.61$$

56. (A)


```
P = 6 ╲ 10
        6
Q = 10 ───→ 60
R = 12 ╱ 5
```

In 1 hr = 21 units, in half hr = $\frac{21}{2}$ units from 7

to 8 : 30 $\rightarrow 21 + \frac{21}{2}$

$$= \frac{63}{2} \text{ units.}$$

Remaining $= 60 - \frac{63}{2}$

$$= \frac{57}{2}$$

Time by Q & R $= \frac{57}{2 \times 11} = \frac{57}{22}$

= 2 hrs 35 min

Required time = 11:05 pm

57. (D) For plan 4, let MP = x

SP = (1 − 0.18) × (1 − 0.18) × x

= 0.6724x

58. (C) Let speed of boat = x

According to question

(x + 5) × 3 = (x − 5) × 6

x + 5 = 2x − 10

x = 15 km/hr

59. (B) CP of swati = 12 × 5 = 60

SP of swati $= \frac{120}{100} \times 60 = 72$

CP of naine = 72

SP of naine $= \frac{110}{100} \times 72 = 79.2$

SP of 10 balloons = 79.2

SP of 1 balloons = 7.92

60. (A) Let no. of hens = h & no. of goats = g

According to Question

h + g = 79   → (i)

2h + 4g = 236 ⇒ h + 2g

= 118   → (ii)

From (i) & (ii)

h = 40

g = 39

61. (A) Let no's be 72x & 27y

∴ LCM = 27 xy

27xy = 27 × 16 × 19

→ x = 16, y = 19

Larger no. = 27 × 19

= 513

62. (A) Let milk & water be 9x & 8x resp.

$$\frac{9x}{8x + 10} = \frac{51}{47}$$

423x = 408x + 510

15x = 510

x = 34

milk = 9 × 34

= 306 l

63. (E) Let income be 7x & 10x resp.

7x = 56000 ⇒ x = 8000

⇒ 10x = 80000

Let expenses = 2y & 3y resp.

3y = 60000 ⇒ y = 20000

⇒ 2y = 40000

Saving = I-E

$= (56000 + 80000)–(40000 + 60000)$

$= 136000 – 100000$

$= 36000$

64. (B) $A + B + C = 32 \times 3 = 96$ →(i)

$A + B = 33 \times 2 = 66$ →(ii)

$B + C = 30.5 \times 2 = 61$ →(iii)

From equation (i), (ii) & (iii)

$C = 31$ kg

65. (C) Total quantity = 100%

quantity removed = 20%

Reqd. milk $= 100 \times \left(1 - \dfrac{20}{100}\right)^3$

$= 100 \times \dfrac{64}{125}$

$= 51.2\%$

66. (E) The series will be

A, 3, C, 5, E, 7, G, 9, I, 11, K, 13, M,

15, 0, 17, Q, 19, 5, 21, U, 23, W, 25, Y, 27.

Reqd. no = 21

67. (C) $6453 \to 6 + 3 = 9, 4 + 5 = 9$

$4859 \to 4 + 9 = 13, 8 + 5 = 13$

$7845 \to 7 + 5 = 12, 8 + 4 = 12$

$2479 \to 9 + 2 = 11, 7 + 4 = 11$

$3747 \to 3 + 7 = 10, 7 + 4 = 11$

Reqd. no = 3747

68. (E) $3 + 6 = 9, 9 + 6 = 15$

$a = 3, d = 6$

23rd term $= a + (23 - 1) d$

$= 3 + 22 \times 6$

$= 135$

69-73 time →sy

Buy →kw/bo

Good →bo/kw

and →ta/mr

money →mr/ta

to →nj

Invest →ge

Only →fp

Stuff →rd

Work →ux

69. (C)

70. (A)

71. (D)

72. (B)

73. (E)

74. (B)
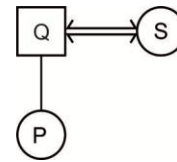
75. (D)
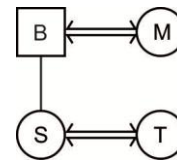
76. (B)
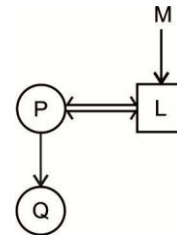
77.(D) Sum > Rani >Sumathi>Amithe

= Manasa

78. (E) $K \geq G \to$ True

$L > G \to$ True

79. (C) $\begin{array}{l} C = E \\ C > E \end{array} \left[\begin{array}{l} \text{Either one} \\ \text{Follows} \end{array}\right]$

80. (D) $Z = Y > X \geq M \leq G < L \leq H$

81. (B) $R > Z \to$ True

$Q \geq M \to$ False

82. (B) $X < L \to$ True

$S \geq N \to$ False

$O > R \to$ True

$B \geq N \to$ False.

83. (A)
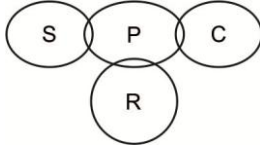
84. (B)
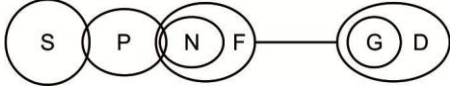
85. (B)
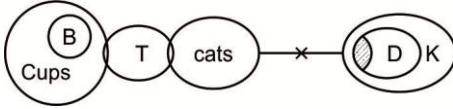
86. (A)
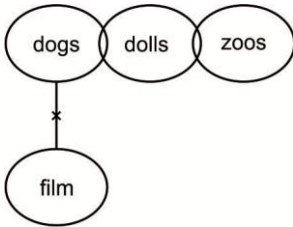
87. (A)
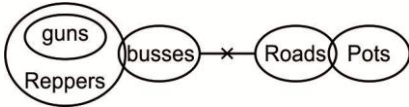
88-90
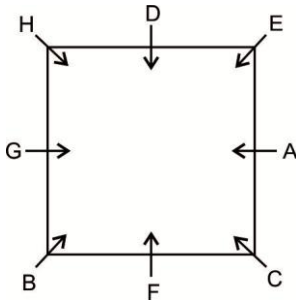
88. (B)

89. (C)

90. (E)

91-95
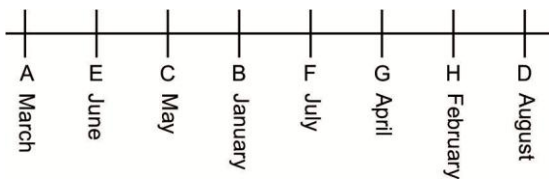
91. (D)

92. (A)

93. (E)

94. (C)

95. (A)

96-100

Months	13th	22nd
March	J yellow	K Brown
June	M white	S Red
October	V Green	U Pink
November	T Blue	L Blach

96. (C)

97. (A)

98. (C)

99. (A)

100. (B)

SBI CLERK 2017(PRE) MEMORY BASED PAPER - 2

ANSWER KEY

1(B)	2(A)	3(A)	4(C)	5(B)	6(C)	7(A)	8(B)	9(C)	10(E)
11(D)	12(E)	13(B)	14(C)	15(E)	16(E)	17(C)	18(C)	19(B)	20(D)
21(B)	22(D)	23(B)	24(E)	25(D)	26(B)	27(E)	28(A)	29(D)	30(C)
31(D)	32(E)	33(A)	34(D)	35(C)	36(C)	37(A)	38(A)	39(B)	40(C)
41(E)	42(D)	43(D)	44(A)	45(B)	46(C)	47(C)	48(D)	49(B)	50(D)
51(E)	52(A)	53(A)	54(E)	55(D)	56(A)	57(D)	58(C)	59(B)	60(A)
61(A)	62(A)	63(E)	64(B)	65(C)	66(E)	67(C)	68(E)	69(C)	70(A)
71(D)	72(B)	73(E)	74(B)	75(D)	76(B)	77(D)	78(E)	79(C)	80(D)
81(B)	82(B)	83(A)	84(B)	85(B)	86(A)	87(A)	88(B)	89(C)	90(E)
91(D)	92(A)	93(E)	94(C)	95(A)	96(C)	97(A)	98(C)	99(A)	100(B)