

# SBI CLERK PRELIMINARY EXAM



**MOCK SET 3**



### INSTRUCTIONS

- This SBI CLERK PRELIMINARY Exam Practice Set Consists of Three Sections. Numerical Ability (Qs-1-35), Reasoning Ability (Qs. 36-70) and English Language (Qs. 71-100).
- All the questions are compulsory.
- Each question has five options, of which only one is correct. The candidates are advised to read all the options thoroughly.
- There is negative marking equivalent to  $\frac{1}{4}$ th of the mark allotted to the specific question for wrong answer.

### SBI CLERK PRE 2020\_Mock Test\_Set 3

#### NUMERICAL ABILITY

**DIRECTIONS (Qs. 1-10):** What should come in place of the question mark (?) in the following questions?

1.  $8\frac{2}{5} \div 10\frac{2}{25} = ?$

- (a)  $\frac{5}{6}$   
(c)  $\frac{4}{7}$   
(e) None of these

- (b)  $\frac{5}{7}$   
(d)  $\frac{3}{5}$



2.  $6.4x = 361.6$

- (a) 535  
(c) 65.5  
(e) None of these

- (b) 525  
(d) 565

3. 43% of 583 - % of 401 = 158.46

- (a) 22  
(c) 21  
(e) None of these

- (b) 23  
(d) 24

4.  $\frac{3}{5}$  of  $\frac{3}{4}$  of  $\frac{5}{6}$  of 992 = ?

- (a) 382  
(c) 372  
(e) None of these

- (b) 392  
(d) 362



5.  $69.2 \times 18.4 \times 4.5 = ?$

- (a) 5729.76 (b) 5772.76  
(c) 5779.76 (d) 5772.76  
(e) None of these

6.  $21.25 + 22.52 + 212.22 = ?$

- (a) 256.99 (b) 245.99  
(c) 253.99 (d) 255.99  
(e) None of these

7.  $123 \div 6 \div 0.8 = ?$

- (a) 25.625 (b) 23.645  
(c) 27.625 (d) 21.665  
(e) None of these

8.  $14^{13} \times 14^3 = ? = ?$

- (a)  $14^{39}$  (b)  $14^7$   
(c)  $14^{16}$  (d) 16  
(e) None of these

9. 87% of 565 = ?

- (a) 490.55 (b) 491.55  
(c) 489.55 (d) 491.35  
(e) None of these

10.  $1256 \div (32 \times 0.25) = ?$

- (a) 167 (b) 154  
(c) 165 (d) 157  
(e) None of these



11. If the compound interest on a certain sum of money for 3 years at 10% p.a. be Rs. 993, what would be the simple interest?

- (a) Rs. 800
- (b) Rs. 950
- (c) Rs. 900
- (d) Rs.1000
- (e) None of these

12. Sohan got 54 marks in Hindi, 65 marks in Science, 89 marks in Maths , 69 marks in Social Science and 68 marks in English . The maximum marks of each subject are 100. How much overall percentage of marks did he get?

- (a) 89
- (b) 69
- (c) 68
- (d) 79
- (e) None of these

13. How much water must be added to 100 cc of 80% solution of boric acid to reduce it to a 50% solution?

- (a) 20 cc
- (b) 40 cc
- (c) 80cc
- (d) 60 cc
- (e) None of these

14. Successive discounts of 20% and 15% are equivalent to a single discount of

- (a) 35%
- (b) 32%
- (c) 17.5%
- (d) 22.5%
- (e) None of these

15. In how many different ways can the letters of the word FORMULATE be arranged?

- (a) 81000
- (b) 40320
- (c) 362880
- (d) 3628280
- (e) None of these

16. Two cars start together in the same direction from the same place. The first goes with a uniform speed of 10 km/h. The second goes at a speed of 8 km/h in the first hour and increases its speed by  $\frac{1}{2}$  km with each succeeding hour, After how many hours will the second car overtake the first one, if both go non-stop?

- (a) 9 hours
- (b) 5 hours
- (c) 7 hours
- (d) 8 hours
- (e) None of these



17. 24 men working 8 hours a day can finish a work in 10 days. Working at the rate of 10 hours a day, the number of men required to finish the same work in 6 days is

- (a) 30 (b) 32  
(c) 34 (d) 36  
(e) None of these

18. The sum of digits of a two digit number is 15. If 9 be added to the number, then the digits are reversed. The number is

- (a) 96 (b) 87  
(c) 78 (d) 69  
(e) None of these

19. Three cubes of a metal are of edges 3 cm, 4 cm and 5 cm. These are melted together and from the melted material, another cube is formed. The edge of this cube is

- (a) 8 cm (b) 10 cm  
(c) 9 cm (d) 6 cm  
(e) None of these

20. Yashika got married 8 years ago. Today her age is  $1\frac{2}{7}$  times her age at the time of her marriage. At present her daughter's age is one-sixth of her age. What was her daughter's age 3 years ago?

- (a) 2 years (b) 3 years  
(c) 4 years (d) 5 years  
(e) None of these

21. Average age of 36 children of the class is 15 years, 12 more children joined whose average age is 16 years. What is the average age of all the 48 children together?

- (a) 15.25 years (b) 15.5 years  
(c) 15.3 years (d) 15.4 years  
(e) None of these

22. Profit earned by selling an article of Rs. 1450 is same as the loss incurred by selling the article for Rs. 1280, What is the cost price of the article?

- (a) 1,385 (b) 1,405  
(c) 1,355 (d) 1,365



(d) None of these

23. Sonia started a business by investing Rs. 60000. Six months later Vivek joined her by investing Rs. 140000. After one year Kirti joined them by investing Rs. 120000. At the end of two years from the commencement of the business, they earn a profit of Rs. 450000. What is Vivek's share in the profit?

- (a) Rs. 195000 (b) Rs. 222500  
(c) Rs. 220000 (d) Rs. 210000  
(e) None of these

24. 6 years hence a father's age will be three times his son's age and three years ago father was nine times as old as his son. What is the present age of father?

- (a) 48 years (b) 42 years  
(c) 36 years (d) 30 years  
(e) None of these

25. The total cost of 12 apples and 8 guavas is Rs. 76 and the total cost of 8 apples and 12 guavas is Rs. 64. What is the total cost of one apple and one guava?

- (a) Rs. 5 (b) Rs. 7  
(c) Rs. 8 (d) 10  
(e) None of these

**DIRECTIONS (Qs. 26-30) : What will come in place of the question mark (?) in the following number series?**

26. 12, 14, 17, 13, 8, 14, 21, 13, 4?

- (a) 14 (b) 12  
(c) 16 (d) 20  
(e) None of these

27. 4, 6, 12, 30, 90, 315, ?

- (a) 1180 (b) 1160  
(c) 1260 (d) 1240  
(e) None of these

28. 25, ?, 2, 4, 1



- (a) 3 (b) 6  
(c) 9 (d) 7  
(e) None of these

29. 15, 12, 17, 10, ?, 8, 25, 6

- (a) 27 (b) 23  
(c) 21 (d) 19  
(e) None of these

30. 1, ?, 27, 64, 125

- (a) 8 (b) 10  
(c) 12 (d) 14  
(e) None of these

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**DIRECTIONS (QS. 31-35): Study the following table carefully and answer the questions given below it.**

**Number of Students from various Schools Playing Various Games**

Games	Schools				
	A	B	C	D	E
Football	125	250	100	175	250
Basketball	175	200	195	245	225
Cricket	250	200	225	215	200
Tennis	240	210	200	130	165
Badminton	75	125	55	45	100



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31. If 20% of the students playing Football from School A also play Badminton, what would be the total number of students playing Badminton from School A?

- (a) 110 (b) 120  
(c) 95 (d) 100  
(e) None of these

32. The number of students playing Basketball from School C is approximately, what percent of the students playing Basketball from School E?

- (a) 75 (b) 87  
(c) 94 (d) 70  
(e) 81

33. What is the difference between the average number of students playing Cricket from all the schools and the average number of students playing Tennis from all the schools?

- (a) 31 (b) 26  
(c) 29 (d) 33  
(e) None of these

34. The number of students playing Football from School D is what percent of the total number of students playing all the given games from that school? (Rounded off to 2 digits after decimal.)

- (a) 20.61 (b) 21.60  
(c) 22.60 (d) 20.59





(e) None of these

35. What is the difference between the average number of students playing all the given games from School B and the number of students playing Badminton from that school?

- (a) 72 (b) 65  
(c) 78 (d) 69  
(e) None of these

## REASONING ABILITY

**DIRECTION (Qs. 36-37):** Read the following information carefully and answer the questions, that follow. A, B, C and D live on floors 3 to 6 of the six storied building. A lives on fourth floor. Only one person lives on the floor between A and B. C does not live on a floor above A's floor

36. Who lives on a floor immediately above B's floor?

- (a) A (b) C  
(c) D (d) A or C  
(e) B lives on top floor

37. Who lives on the fifth floor?

- (a) A (b) B  
(c) C (d) D  
(e) None of these

38. Sunil walks towards the East from point A turns right at point B and walks the same distance as he walked towards the East. He now turns left, walks the same distance again and finally makes a left turn and stops at point after walking the same distance. The distance between A and C is how many times as that of A and B?

- (a) Cannot be determined (b) Two  
(c) Three (d) Four  
(e) None of these

**DIRECTION (Qs. 39-40):** Read the following information carefully and answer the questions, which follow If A-B' means 'A is father of B. If A+B' means 'A is daughter of B'. If 'A+B' means 'A is son of B'. If 'A B' means 'A is wife of B'.



39. In the expression 'P+Q x R' how is related to P?

- (a) Daughter
- (b) Brother
- (c) Father
- (d) Sister
- (e) None of these

40. In the expression 'P÷Q-T how is related to P?

- (a) Mother
- (b) Sister
- (c) Brother
- (d) Either brother or sister
- (e) None of these

**DIRECTIONS (Qs. 41-45):** In each question below there are three statements followed by the conclusions numbered I and II. You have to take the three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the three statements disregarding commonly known facts. Give answer (a) if only conclusion I follows. Give answer (b) if only conclusion II follows. Give answer (c) if either I or II follows. Give answer (d) if neither I nor II follows. Give answer (e) if both I and II follow.

41. **Statements:**

All shoes are pens.

Some pens are razors.

Some razors are desks.

**Conclusions :**

I. Some desks are shoes

II. Some razors are shoes

42. **Statements:**

Some benches are windows

Some windows are walls

Some walls are trains

**Conclusions:**

I. "Some trains are benches."

II. No train is bench.



**43. Statements:**

All brushes are chocolates

All chocolates are mirrors

All mirrors are tables.

**Conclusions:**

I. Some tables are brushes

II. Some mirrors are chocolates

**44. Statements:**

Some pencils are knives

All knives are papers.

Some papers are books.

**Conclusions:**

I. Some books are pencils.

II. Some papers are pencils

**45. Statements:**

Some roofs are figures

All figures are lions

All lions are goats.

**Conclusions:**

I. Some goats are roots.

II. All goats are figures



**DIRECTIONS (Qs. 46-47): Study the following information carefully to answer the questions that follow There are six persons A, B, C, D, E and F. C is the sister of F. Bi the brother of E's husband. Dis the father of A and grandfather F. There are two fathers, three brothers and a mother in the group**

**46. Who is the mother?**

- (a) A
- (b) B
- (c) D
- (d) E
- (e) None of these



47. Who is E's husband?

- (a) B (b) C  
(c) A (d) F  
(e) None of these

**DIRECTIONS (Qs. 48-50) :** These questions are based on five three-digit numbers given below  
**438, 285, 716, 342, 857**

48. If '5' is added to each of the above five numbers, which of the following will be the middle digit of the lowest number

- (a) 0 (b) 4  
(c) 2 (d) 6  
(e) None of these

49. If '1' is added to the middle digit of each of the above numbers and '1' is subtracted from the first digit of each of the above numbers, which of the following will be the third digit of the second highest number?

- (a) 8 (b) 6  
(c) 5 (d) 2  
(e) None of these

50. Which of the following is the sum of the second and third digits of the highest number?

- (a) 7 (b) 11  
(c) 12 (d) 13  
(e) None of these

**DIRECTIONS (Qs. 51-55):** Study the following information carefully to answer the given questions.

Eight people L, M, N, O, P, Q, R and S are sitting around a circular table with equal distance between each other but not necessarily in the same order. Some of them are facing the center while some are facing outside. (i.e. away from the center)

- M sits third to the left of L. Only three people sit between M and S. P sits to the immediate right of S.
- Immediate neighbors of P face opposite directions (i.e. if one neighbor faces the center then the other neighbor faces outside and vice-versa.) Only one person sits between P and O.
- R sits second to the right of O. Both R and N face the same direction as S. (i.e. if S faces the center then R and N also face the center and vice-versa.)



- Immediate neighbors of Q faces opposite directions (i.e if one neighbor faces the center then the other neighbor faces outside and Vice-versa.)
- P does not face outside. O faces a direction opposite to that of M.

51. How many people sit between L and Q when counted from the left of Q?

- (a) Five
- (b) None
- (c) Four
- (d) One
- (e) Two

52. Which of the following statements is true as per the given arrangement?

- (a) Q faces the center
- (b) Only three people sit between P and L
- (c) R sits to the immediate right of N
- (d) None of the given options is true
- (e) N is an immediate neighbor of O

53. Who amongst the following sits third to the left of P?

- (a) Q
- (b) N
- (c) M
- (d) L
- (e) R

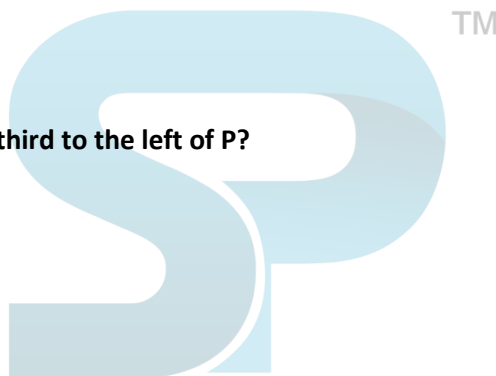
54. How many people face the center as per the given arrangement?

- (a) Four
- (b) One
- (c) Two
- (d) Three
- (e) More than four

55. What will come in place of question mark (?) in the given series based on the positions as given in the arrangement?

PS LR MP SM?

- (a) ON
- (b) SO
- (c) NQ
- (d) OL
- (e) LS





**DIRECTIONS (Qs. 56-60):** In the following questions the symbols @, ÷, =, © and  $\mu$  are used with the following meaning:

- P © O means P is less than Q.
- P@ Q means P is greater than Q.
- P ÷ means P is greater than or equal to Q.
- P= means P is equal to Q.
- P© Q means P is either smaller than or equal to Q.

Now in each of the following questions, assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true? Give answer

- (a) if only conclusion I is true.  
(b) if only conclusion II is true.  
(c) if either I or II is true.  
(d) if neither I nor II is true, and  
(e) if both I and II are true.

56. **Statements:** B @V, K©C, C  $\mu$  B

- Conclusions:** I. V @C  
II. B@ K

57. **Statements :** K@T, S=K, T $\mu$  R

- Conclusions:** I. S@R  
II. T=R

58. **Statements :** U= M, P ÷U, M ÷ B

- Conclusions:** I. P=B  
II. P@B

59. **Statements:** L ÷N, J  $\mu$  P, P ÷ L

- Conclusions:** I. J =L  
II. P=N

60. **Statements:** H÷G, D @E, H=E

- Conclusions:** I. D@H





## II. G©D

**DIRECTIONS (Qs. 61-65): Study the following sequence carefully and answer the questions given below:**

**M E 5 P B 2 A 7 K N 9 T R U 4 6 I J D F 1 Q 3 W 8 V I S Z**

61. How many such numbers are there in the above sequence, each of which is both immediately preceded by and immediately followed by a consonant?

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) More than three

62. If the order of the first twenty letters/numbers in the above sequence is reversed and the remaining letters/numbers are kept unchanged, which of the following will be the fourteenth letter/number from the right end after the rearrangement?

- (a) B
- (b) 6
- (c) 2
- (d) 1
- (e) None of these

63. Which of the following letter/number is the eighth to the left of the nineteenth letter/number from the left end?

- (a) N
- (b) T
- (c) 1
- (d) D
- (e) None of these

64. Four of the following five are alike in a certain way with regard to their position in the above sequence and so form a group. Which is the one that does not belong to that group?

- (a) WIQ
- (b) PAE
- (c) NR7
- (d) 4JR
- (e) D16

65. How many such vowels are there in the above sequence, each of which is immediately preceded by a consonant and immediately followed by a vowel?

- (a) None
- (b) One
- (c) Two
- (d) Three
- (e) More than Three



**DIRECTIONS (QS. 66-70): Study the wing information carefully and answer the questions given below:**

A shopkeeper placed eight varieties of cloth pieces of different colours viz. brown, pink, green, white, blue, violet, black and yellow, in a row such that blue cloth is placed fifth from the left end. Green is placed to the extreme right. White cloth is to the second to the left of blue. Violet cloth is exactly in between blue and white. Black is sixth to the left of green and fourth to the left of brown. Pink is not the third to the right of violet.

66. Which colour cloth is placed fifth to the left of yellow?

- (a) Violet
- (b) Brown
- (c) Green
- (d) White
- (e) None of these

67. Which of the following is true?

- (a) Green cloth is second to the right of yellow.
- (b) White cloth is placed fifth to the left of brown.
- (c) White cloth is placed exactly in between violet and black
- (d) Pink cloth occupies second position from the left end.
- (e) All are true

68. Which colour cloth is third to the left of Brown?

- (a) Yellow
- (b) Blue
- (c) Green
- (d) White
- (e) Pink

69. Which of the following is the correct position' of Yellow with respect to Pink?

- (a) Sixth to the right
- (b) Sixth to the left
- (c) Fifth to the right
- (d) Fourth to the left
- (e) Fifth to the left

70. Which colour cloth is to the immediate right of Pink?

- (a) White
- (b) Blue
- (c) Black
- (d) Brown
- (e) Green





## ENGLISH LANGUAGE

**DIRECTIONS (QS. 71-80): Read the following passage carefully and answer the questions given below it. Certain words/phrases have been printed in bold to help you locate them while answering some of the questions.**

There was a country long time ago where the people would change a king every year. The person who would become the king had to agree to a **contract** that he would be sent to an island after one year of his being a king.

One king had finished his term and it was time for him to go to the island and live there. The people dressed him up in expensive clothes and put him on an elephant and took him around the cities to say goodbye to all the people. This was a moment of sadness for all kings who ruled for one year. After **bidding** farewell, the people took the king to a remote island in a boat and left him there. On their way back, they discovered a ship that had sunk just recently. They saw a young man who had **survived** by holding on to a floating piece of wood. As they needed a new king, they picked up the young man and took him to their country. They requested him to be king for a year. First he refused but later he agreed to be the king. People told him about all the rules and regulations and that how he would be sent to an island after one year.

After three days of being a king, he asked the ministers if they could show him the island where all the other kings were sent. They agreed and took him to the island. The island was covered with a thick Jungle and sounds of **vicious** animals were heard coming out of it. The king went a little bit further to check. Soon he discovered dead bodies of all the past kings. He understood that as soon as they were left on the island, the wild animals had come and killed them.

The king went back to the country and collected 100 strong workers. He took them to the island and instructed them to clean the jungle, remove all the deadly animals and cut down all excess trees. He would visit the island every month to see how the work was progressing. In the first month, all the animals were removed and many trees were cut down. In the second month, the whole island was cleaned out. The king then told the workers to plant gardens in various parts of the island. He also took with himself useful animals like chickens, ducks, birds, goats, cows etc. In the third month, he ordered the workers to build big houses and docking stations for ships. Over the months, the island turned into a beautiful place. The young king would wear simple clothes and spend very little from his earnings as a king. He sent all the earnings to the island for storage. When nine months passed like this, the king called the ministers and told them: "I know that I have to go the island after one year, but I would like to go there right now." But the ministers didn't agree to this and said that he had to wait for another three months to complete the year.

Three months passed and now it was a full year. The people dressed up the young king and put him on an elephant to take him around the country to say goodbye to others. However, this king was unusually happy to leave the kingdom. People asked him, "All the other kings would cry at this moment. Why is it that you are laughing?" He replied, "Don't you know what the wise people say? They say that when you come to this world as a baby, you are crying and everyone else is smiling Live such a life that when you die, you will be smiling and everyone around you will be crying. I have lived that life. While all the other kings were lost into the luxuries of the kingdom, I always thought about the future and planned for it. I turned the deadly island into a beautiful **abode** for me where I can stay peacefully."



71. Why did the people of the kingdom change the king every year?

- (a) As their first king had invented this system and had recorded it in the form of a contract
- (b) As they believed that the new king would bring better ideas to the kingdom
- (c) As they wanted their king to relax on an island after one year of hard work
- (d) Not mentioned in the passage
- (e) None of the above

72. What would happen to the king once his term of one year was over?

- (a) He would be paraded in the cities as a farewell and then be taken to a remote island
- (b) He would be gifted with expensive clothes and jewellery
- (c) He would be sent on an island which required a lot of work to be done
- (d) He would be asked to buy an elephant and go to the remote island himself
- (e) None of the above

73. What did the young man notice on his visit to the remote island after three days of being king?

- (a) That the animals on the island were too many to be killed
- (b) That the island was very big
- (c) That the jungle on the island was full of animals that had killed all the previous kings placed on the island
- (d) That the island was very beautiful and clean
- (e) Not mentioned in the passage

74. What happened to the island in the first month of the young king's tenure?

- (A) The wild animals were removed from the island.
- (B) The whole island was cleaned.
- (C) Many unnecessary trees were cut down
- (a) Only A
- (b) Only B
- (c) Only C
- (d) Band C
- (e) A and C

75. What could be said about the island after the young king had made his servants work on it?

- (a) The dangerous island had been turned to a beautiful place
- (b) The island still remained the same despite all the young king's efforts
- (c) The island was barely tolerable now
- (d) The island was safe from all types of attacks
- (e) None of the above



76. Which of the following describes the young king correctly?

- (A) He was intelligent
- (B) He had foresight
- (C) He was cunning
- (a) Only A                      (b) A and B
- (c) Only C                      (d) Band
- (e) All A, B and C

77. What was the king's request to the ministers after the completion of nine months?

- (a) That he should not be sent to the island after completion of one year
- (b) That he would like to go to the island immediately
- (c) That he should be paid more in order to improve work on the island
- (d) That he should be sent to the island after a year
- (e) None of the above

78. How did the young king arrange for money on the island?

- (a) By selling a large amount of his property
- (b) By spending all the money derived from his income as a king
- (c) By borrowing money from the ministers and sending it to the island
- (d) By spending very less of his income as a king and sending it to the island for storage
- (e) None of the above

79. Why were the people of the kingdom puzzled when the young king was taken around the country to say goodbye to everyone?

- (a) As they could not believe that one year had elapsed so soon
- (b) As they were nor aware that the young king was actually a wise sage
- (c) As the young king was happy to go to the island unlike the previous kings
- (d) Not mentioned in the passage
- (e) None of the above

80. What can possibly be the moral of the story?



- (a) Always put others before yourself
- (b) Give respect to others
- (c) Live in the present and forget about the future
- (d) Do not put things off until tomorrow
- (e) Always think and plan ahead

**DIRECTIONS (Qs. 81-85) : Fill in the blanks with the most appropriate words from the given options.**

81. While activist judges and PIL-filing NGOs have done \_\_\_ job in recent times in taking up public , they cannot substitute for elected representatives.

- (a) stellar, causes
- (b) inessential, countercoup
- (c) minor, residual
- (d) secondary, residue
- (e) None of these

82. We can accurately accuse these regional parties of hypocrisy. But it is true that they have never actively to Hindutva because they feel repelled by its majoritarian thrust.

- (a) sold, martial
- (b) unsold, invading
- (c) subscribed, aggressive
- (d) unsold, intrusive
- (e) None of these

83. State secularism was a top-down on the Hindu upper class which was never about it.

- (a) quality, doubting
- (b) state, disinterested
- (c) position, apathetic
- (d) imposition, enthusiastic
- (e) None of these

84. The decay of the Congress has produced a predictable, observable effect. It has our majoritarian instinct, exposing it to the world, from which it had been

- (a) reported, exposed
- (b) revealed, hidden
- (c) debut, bare
- (d) get out, exhibited
- (e) None of these

85. For a detailed discussion on how these new revelations will impact the India-Pakistan see Tol's video chat with foreign policy expert Dhruva Jaishankar, at Brookings India Center.

- (a) equation, fellow
- (b) comparison, enemy
- (c) equalization, accusation
- (d) statement, contender
- (e) None of these



**DIRECTIONS (Os. 86-90) : Rearrange the following six sentences (A). (B). (C). (D). (E) and (F) in the proper sequence to form a meaningful paragraph, then answer the questions given below them.**

(A) All of a sudden the mother duck saw a fox in the distance, was frightened and shouted, "Children, hurry to the lake, there's a fox !"

(B) The mother duck ran, leading the fox away from the lake and as soon as the fox came very close, the mother duck quickly spread her wings and rose up in the air.

(C) The ducklings hurried towards the lake and the mother duck began to walk back and forth dragging one wing on the ground.

(D) A mother duck and her little ducklings were on their way to the lake one day.

(E) The fox stared in disbelief at the mother duck and her ducklings as he could not reach the ducklings because they were in the middle of the lake by now.

(F) When the fox saw her he became happy as he thought that the mother duck was hurt and couldn't fly and that he could easily catch and eat her!

86. Which of the following should be the **FIRST** sentence after re- arrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

87. Which of the following should be the **SECOND** sentence after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) F

88. Which of the following should be the **THIRD** sentence after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

89. Which of the following should be the **FOURTH** sentence after rearrangement?

- (a) B
- (b) C
- (c) D
- (d) E
- (e) F

90. Which of the following should be the **LAST (SIXTH)** sentence after rearrangement?

- (a) A
- (b) B



- (c) D  
(d) E  
(e) F

**DIRECTIONS (QS. 91-95): Which of the phrases (a), (b), (c) and (d) given below each sentence should replace the phrase printed in bold in the sentence to make it grammatically correct? If the sentence is correct as it is given and 'No correction is required', mark (e) as the answer**

91. As it was a dark and stormy night, Lata was too scared to go home alone

- (a) very scary to  
(b) much scared to  
(c) as scared to do  
(d) to scared too  
(e) No correction required

92. Since it was her engagement party, Riya was dress to kill.

- (a) dresses to kill  
(b) dressed to kill  
(c) dressed to killings  
(d) dressing to killed  
(e) No correction required

93. Ramesh worries endlessly about his son's future as he was so poor in studies.

- (a) worry endless  
(b) worried endless  
(c) worried endlessly  
(d) worries endless  
(e) No correction required

94. Now that the actual criminal had been caught, Kunal was happy that he was finally let of the hook.

- (a) off the hook  
(b) of the hookings  
(c) off the hooks  
(d) of the hooks  
(e) No correction required

95. The little boy appeared suddenly out of nowhere and take everyone by surprise.

- (a) took everyone as surprised  
(b) take everyone with surprised  
(c) took everyone by surprises  
(d) took everyone by surprise  
(e) No correction required



**DIRECTIONS (QS. 96-100):** In the following passage there are blanks, each of which has been numbered. These numbers are printed below passage and against each, five words are suggested, one of which fits the blank appropriately. Find the appropriate word in each case.

The terminology of the draft is psychotically comprehensive. "Whoever depicts, disseminates, publishes or..(96).. any wrong or false topographic information of India" can be held to account. Apart from printers, publishers, media and film makers who..(97).. maps in their productions, this would include private citizens posting on social media, and even village children(98)..maps with chalk on their slates. But would not the last two be culpable even if their maps were reasonably..(99)..? They did not take prior permission, did they? Off to the cooler with them! The..(100).. of speculation opened by this bill is limitless.

96. (a) distributes (b) contributors  
(c) developers (d) administrators  
(e) None of these

97. (a) mix up (b) distort  
(c) adept (d) depict  
(e) None of these

98. (a) understanding (b) confusing  
(c) scrawling (d) sense  
(e) None of these

99. (a) timid (b) accurate  
(c) faulty (d) inaccurate  
(e) None of these

100. (a) prevent (b) interior  
(c) inside (d) ambit  
(e) None of these





## Solutions:

1. (a)  $? = 8\frac{2}{5} \div 10\frac{2}{25}$

$$= \frac{42}{5} \div \frac{252}{25} = \frac{42}{5} \times \frac{25}{252} = \frac{5}{6}$$

2. (d)  $6.4 \times ? = 361.6$

$$? = \frac{361.6}{6.4} = 56.5$$

3. (b)  $583 \times \frac{43}{100} - 401 \times \frac{?}{100} = 158.46$

$$= 250.69 - 401 \times \frac{?}{100} = 158.46$$

$$= 401 \times \frac{?}{100} = 250.69 - 158.46 = 92.23$$

$$? = \frac{92.23 \times 100}{401} = 23$$

4. (c)  $? = 992 \times \frac{5}{6} \times \frac{3}{4} \times \frac{3}{5} = 372$

5. (a)  $? = 69.2 \times 18.4 \times 4.5 = 5729.76$

6. (d)  $? = 21.25 + 22.52 + 212.22 = 255.99$

7. (a)  $? = \frac{123}{6 \times 0.8} = 25.625$

8. (c)  $? = 14^{13} \times 14^3 = (14)^{13+3} = (14)^{16}$

9.  $? = 565 \times \frac{87}{100} = 491.55$

10. (d)  $? = 1256 \div (32 \times .25)$

$$= 1256 \div 8 = \frac{1256}{8} = 157$$





11. (c) Let Principal = Rs. P

$$P \left(1 + \frac{10}{100}\right)^3 - P = 993 = \left(\frac{11}{10} \times \frac{11}{10} \times \frac{11}{10} - 1\right) P = 993$$

$$= \left(\frac{1331-1000}{1000}\right) P = 993 \text{ or,}$$

$$P = \frac{993 \times 1000}{331} = \text{Rs. } 3000$$

$$\text{Simple Interest} = \text{Rs. } \left(\frac{3000 \times 3 \times 10}{100}\right) = \text{Rs. } 900$$

12. (b) Sohan's total marks = 54 + 65 + 89 + 69 + 68 = 345

$$\text{Required percent} = \frac{345}{500} \times 100 = 69$$

13. (d) Concentration of boric acid = 80% = 80 cc

Quantity of water = 20 cc

Let x cc of water be added to get the concentration of 50%

$$= \frac{80}{100+x} = \frac{50}{100} \text{ or } \frac{80}{100+x} = \frac{1}{2} \text{ or } x = 60 \text{ cc}$$

14. (b) Successive discounts of 20% and 15% on 100 yields to =  $100 \times 0.8 \times 0.85 = \text{Rs. } 68$

Single discount (100-68) = 32%

15. (c) The word FORMULATE consists of nine different letters. Hence, the required number of ways =

$$9! = 362880$$

16. (a) Let the second car overtakes the first car after t hours.

Distance covered by the first car = Distance covered by the second car.

$$= 10t = 8 + \left(8 + \frac{1}{2}\right) + \left(8 + \frac{2}{2}\right) + \dots + \left(8 + \frac{t-1}{2}\right)$$

$$= 10t = 8t + \frac{1}{2}(1 + 2 + \dots + (t-1))$$

$$= 10t = 8t + \frac{1}{2} \frac{t(t-1)}{2} \text{ or } 2t = \frac{1}{4}(t^2 - t)$$

$$t = 9 \text{ hrs. } (t \neq 0)$$



17. (b)  $m_1 \times d_1 \times t_1 \times w_2 = m_2 \times d_2 \times t_2 \times w_1$

$$= 24 \times 10 \times 8 \times 1 = m_2 \times 6 \times 10 \times 1$$

$$m_2 = \frac{24 \times 10 \times 8 \times 1}{6 \times 10} = 32 \text{ men}$$

18. (c) Let the two digit number be  $10x + y$

We have

$$x+y=15 \dots\dots\dots (i) \text{ and}$$

$$(10x + y) + 9 = (10y + x) \text{ or } 9x - 9y = -9 \text{ or}$$

$$(x - y = -1 \dots\dots) \dots\dots (ii)$$

From (i) and (ii)  $x=7$  and  $y=8$

The number is  $10 \times 7 + 8 = 78$

19. (d) Let edge of the new cube =  $x$  cm.

Volume of the newly formed figure (cube) = sum of volume of smaller cubes.

$$\text{i.e. } (x)^3 = (3)^3 + (4)^3 + (5)^3 = 27 + 64 + 125 = 216 \Rightarrow x = 6 \text{ cm}$$

20. (b) Let present age of Yashika =  $x$  years

.. Age of Yashika at the time of marriage

$$= (x - 8) \text{ years} \quad X = \frac{9}{7} (x - 8)$$

$$7x = 9x - 72 \quad x = \frac{72}{2} = 36 \text{ years}$$

$$\text{Present age of the daughter} = 36 \times \frac{1}{6} = 6 \text{ years}$$

$$\text{Her daughter's age 3 years ago} = (6 - 3) = 3 \text{ years}$$

$$21. (a) \text{ Required average age} = \left( \frac{15 \times 36 + 12 \times 16}{36 + 12} \right) \text{ years} = \left( \frac{540 + 192}{48} \right) \text{ years}$$

$$= 15.25 \text{ years}$$

22. (d) Let the CP of the article be Rs.  $x$ .

According to the question,

$$1450 - x = x - 1280$$

$$= 2x = 1450 + 1280 = 2730$$

$$\Rightarrow x = \frac{2730}{2} = \text{Rs. } 1365$$

23. (d) The ratio of profits of Sonia, Vivek and Kirti is as follows

Sonia

Vivek

Kirti

$$60000 \times 24 :$$

$$140000 \times 18 :$$

$$120000 \times 12$$



4 : 7 : 4

Hence, the required share of Vivek

$$= \frac{450000 \times 7}{(4+7+4)} = 30000 \times 7 = \text{Rs. } 210000$$

24. (d) Let father's present age be x years and son's present age be y years

According to the question,

$$(X+6)=3(y+6) \Rightarrow x-3y=12$$

$$(x-3)=9(y-3) \Rightarrow x-9y=-24$$

Solving (i) and (ii), we get

$$X=30 \text{ and } y=6$$

Hence, father's present age = 30 years

25. (b) Let the CP of an apple be Rs. x and that of a guava be Rs. y

$$.. 12x+8y=76 \quad (i)$$

$$8x + 12y=64 \quad (ii)$$

On adding (i) and (ii), we have

$$20x + 20y=140 \Rightarrow 20(x+y)=140$$

$$x + y = \frac{140}{20} = 7 = \text{Rs. } 7$$

26. (a) The pattern of number series is as follow

$$12+2 = 14$$

$$14+3=17$$

$$17-4=13$$

$$13-5=8$$

$$8+6=14$$

$$14+7=21$$

$$21-8=13$$

$$13-9=4$$

$$4+10=14$$

27. (c) The pattern of number series is as follow

$$4 \times 1.5 = 6$$



$$6 \times 2 = 12$$

$$12 \times 2.5 = 30$$

$$30 \times 3 = 90$$

$$90 \times 3.5 = 315$$

$$315 \times 4 = 1260$$

28. (c) The pattern of number series is as follow

$$25 \quad 16 \quad 9 \quad 4 \quad 1$$

$$5^2 \quad 4^2 \quad 3^2 \quad 2^2 \quad 1^2$$

$$? = 9$$

29. (c) The pattern of number series is as follow

$$15 - 3 = 12$$

$$12 + 5 = 17$$

$$17 - 7 = 10$$

$$10 + 11 = 21 \quad 21 - 13 = 8$$

$$8 + 17 = 25 \quad 25 - 19 = 6$$

Note 3, 5, 7, 11, 13, 17 and 19 are consecutive prime numbers

30. (a) The pattern of number series is as follow

$$1 \quad 8 \quad 27 \quad 64 \quad 125$$

$$1^3 \quad 2^3 \quad 3^3 \quad 4^3 \quad 5^3$$

$$? = 2^3 = 8$$

31. (d) Total number of students playing Badminton from

$$\text{School A} = 75 + 125 \times 20 / 100 = 100$$

$$32. (b) \text{ The required percent} = \frac{195 \times 100}{225} = \frac{195 \times 4}{9} = 86.67\%$$

33. (c) The required difference



$$\begin{aligned} &= (250 - 240) + (200 - 210) + (225 - 200) + (215 - 130) + (200 - 165) / 5 \\ &= 10 - 10 + 25 + 85 + 35 / 5 \\ &= 145 / 5 = 29 \end{aligned}$$

34. (b) The required percent =  $\frac{175}{(175+245+215+130+45)} \times 100$

$$= \frac{175}{810} \times 100 = 21.60$$

35. (a) Average number of students playing all the given games from School B

$$= 250 + 200 + 200 + 210 + 125 / 5 = 985 / 5 = 197$$

The number of students playing Badminton in School B = 125

$$\text{The required difference} = 197 - 125 = 72 \text{ (36-40): 6 B}$$

(36-38): 6<sup>th</sup> floor - B

5<sup>th</sup> floor - D

4<sup>th</sup> floor - A

3<sup>rd</sup> floor - C



39. (c) P is daughter of Q.

Q is wife of R.

Thus, R is husband of Q, then P is son of R.

40. (d) P is son of Q.

Q is father of T.

Thus, T and P is son or daughter of Q.

41. (d) All shoes are pens. (A-type)





Some pens are razors. (I-type)

A+I = No Conclusion

42. (c) All the three Premises are Particular Affirmative (I-type).

No Conclusion follows from Particular Premises

Conclusion I and II from Complementary Pair

Therefore, either I or II follows

43(e) All brushes are chocolates. (A-type)



All chocolates are mirrors. (A-type)

A+ A A = A- type Conclusion

"All brushes are mirrors"

All brushes are mirrors. (A-type)



All mirrors are tables. (A-type)

"All brushes are tables"

Conclusion I is converse of this Conclusion

Conclusion II is converse of the second Premise.



44. (b) Some pencils are knives. (I-type)



**All knives are papers. (A-type)**

**I+A= I-type Conclusion**

**"Some pencils are papers"**

**Conclusion II is converse of this Conclusion,**

**45. (a) Some roofs are figure. (I-type)**



**All figures are lions. (A-type)**

**I+A=I-type Conclusion**

**"Some roofs are lions.**

**" Some roofs are lion. (I-type)**



**All lions are goats. (A-type)**

**I+A = I-(A-type) Conclusion**

**"Some roofs are goats"**

**Conclusion I is converse of this conclusion**

**46. (d) A's wife E is the mother**

**47. (c) A is the husband of E.**



48. (e) On adding 5 to each of the above number

443 290 721 347 862

The lowest number is 290 where middle digit is 9.

49. (b) 438→348,

285→195,

716→626,

342→252 and

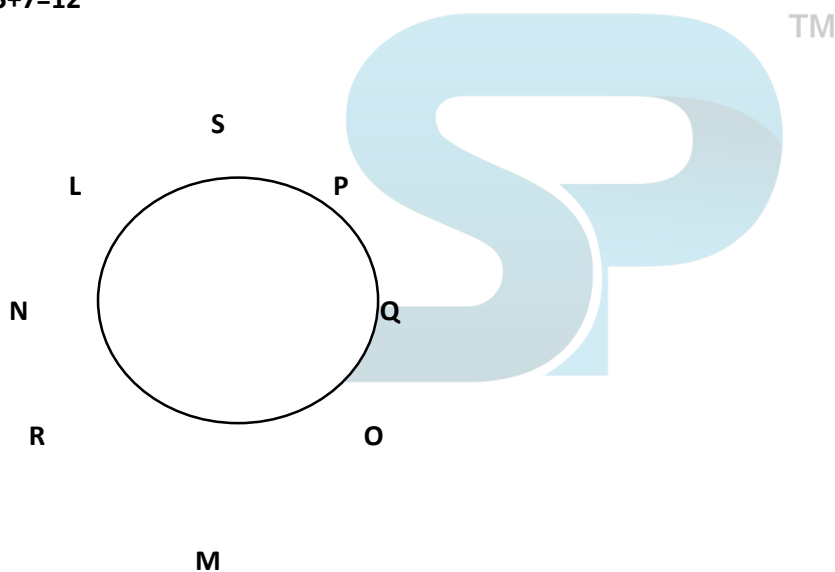
857→767

The second highest number is 626 whose third digit is 6.

50. (C) The second and the third digits of 857 are 5 and 7, respectively.

$$5+7=12$$

(51-55):



56. (b)  $B > V$ ..(i)  $K < C$ ...(ii):  $C \leq B$ ...(iii)

No relationship can be find out between V and C.

Hence I does not follow. From (ii) and (i),  $B > K$ . Hence II follows.

57. (d)  $K > T$ ...(i);  $S = K$ ... (ii);  $T \leq R$  ...(iii)





Neither relationship can be established

58. (c)  $U=M$ ...(i)  $P \geq U$ ...(iii) ;  $M \geq B$  (iii)

Combining, we get  $P \geq U = M \geq B = P \geq B$

$> P=B$  or  $P>B$

59. (d)  $L \geq N$  ...(i);  $J \leq P$  ...(ii);  $P \geq L$  (iii)

Neither relationship can be established.

60. (e)  $H \geq G$  (i);  $D > E$  ...(ii);  $H = E$  (iii)

Combining, we get  $D > E = H \geq G$

$=D > H$  and  $G < D$

61. (e) Four

M E S P B 2 A 7 K N 9 T R U 4 6 I J D F 1 Q 3 W 8 V I S Z

62. (a) F D J I 6 4 U R T 9 N K 7 A 2 B P 5 E M I Q 3 W 8 V I S Z

63. (e) Eighth to the left of the nineteenth letter/number from the left  $= (19-8)$  11th letter/number from left. Hence, required element is 9.

64. (e) Except its second element in each group is third to the right of first element while third element of each group is second to the left of first element of the respective group

65. (a) There are no such vowels.

(66-70):

LEFT →

← RIGHT

PINK    BLACK    WHITE    VIOLET    BLUE    BROWN    YELLOW    GREEN



66. (e) Black color cloth is placed fifth to the left of Yellow color cloth

67. (c) White cloth is placed exactly in between Violet and Black.

68. (d) White cloth is third to the left of Brown,

69. (a) yellow is sixth to the right of Pink

70. (c) Black is to the immediate right of Pink.

## ENGLISH LANGUAGE

71. (d) The reason behind the question is not mentioned in the passage

72. (a) Refer to the second sentence of the first para of the passage that the king had to agree to a contract..... being a king.

73. (c) Refer to the sentence that the island was covered discovered dead bodies.....past kings of the second last sentence of the third para of the passage.

74. (e) Refer to the fourth sentence that in the first month.....trees were cut down.....of the fourth para of the passage.

75. a) Refer to the last sentence "I turned the deadly island.....a beautiful abode..... peacefully of the sixth para of the passage.

76. (e) From reading the passage thoroughly we come to the conclusion that the king was intelligent, foresight and cunning as he made deadly island a beautiful place to live in with all luxuries of the kingdom.

77. (b) Refer to the sentence that 'I know.....complete the year of the statement made by king in the fourth para of the passage

78. (d) Refer to the second last sentence of the fourth para that he sent all the.....for storage.....of the passage.

79. (c) Refer to the third sentence that however, the king...leave the kingdom.....of the last para of the passage

80. (e) The moral of the story is 'Always think and plan ahead



(86-90):

Sentences are re-arranged in order as DACFBE. A mother duck is the clue and qualifier of a sentence which is followed by A, C, F and finally B and E.

91. (e) Here, too is used as emphatic word. Lata was so scared that she could not go home alone. Hence, no correction is required.

92. (b) The structure of sentence is subject + was/were + third form of verb + object. Thus, Riya was dressed to kill.

93. (c) The given sentence is the statement of simple past tense. Hence it should be 'worried' instead of worries.

94. (a) The phrase "let off means to give them only a light punishment

95. (d) It should be 'took instead of take'. depict - represent by a drawing, painting, or other art form.

98 (c) Explanation: scrawling - write something) in a hurried, careless way

99. (b)

100. (d) ambit - the scope, extent, or bounds of something.

TM

