SBI PO Prelim Exam Model Paper 5

Quantitative Aptitude

1. A man sold an item for Rs.6750 at a loss of 25%. What will be the selling price of same item if he sells it at a profit of 15%?
   a) Rs.10,530
   b) Rs.9,950
   c) Rs.10,350
   d) Rs.11,340
   e) None of these

2. The sum of the circumference of a circle and the perimeter of a rectangle is 132 cm The area of the rectangle is 112 sq. cm and breadth of the rectangle is 8 cm. What is the area of the circle?
   a) 616 sq. cm.
   b) 540 sq. cm.
   c) 396 sq. cm.
   d) Cannot be determined
   e) None of these

3. The cost of 5 kg of apple is equal to the cost of 12 kg of rice. The cost of 3 kg of flour is equal to one kg of rice. The cost of one kg. of flour is Rs.17.50. What is the total cost of 3 kg of apple, 2 kg of rice and 4 kg of flour together?
   a) Rs.543
   b) Rs.527
   c) Rs.563
   d) Rs.553
   e) None of these

4. Thirty-five percent of 740 is 34 more than a number. What is two-ffth of one number?
   a) 45
   b) 90
   c) 180
   d) 120
   e) None of these

5. The ratio between the angles of a quadrilateral is 6 : 3 : 4 : 5. The smallest angle of a triange is one-fourth the largest angle of the quadrilateral. Largest angle of the triangle is 10° more than second largest angle of the triangle. What is the second largest angle of the triangle?
   a) 80°
   b) 60°
   c) 70°
   d) Cannot be determined
   e) None of these

6. A train covered a distance of 1235 km in 19 hours. Also, the average speed of a car is four-fifth the average speed of the train. How much distance will the car cover in 22 hours?
   a) 1234 km
   b) 1144 km
   c) 1134 km
   d) 1244 km
   e) None of these

7. The ratio between the present ages of Meera and Priya is 3 : 4 respectively. Ten years ago the ratio between their ages was 4 : 7 respectively. What will be Meera's age after 5 years?
   a) 18 years
   b) 24 years
   c) 23 years
   d) 29 years
   e) None of these

8. The average marks of nine students in a group is 63. Three of them scored 78, 69 and 48 marks. What are the average marks of remaining six students?
   a) 63.5
   b) 64
   c) 63
   d) 62.5
   e) None of these

9. A bag contains 7 red balls, 4 green balls and 5 yellow balls. What is the probability that 3 balls drawn at random are either green or yellow?
   a) 1/140
   b) 1/60
   c) 3/280
   d) 3/40
   e) None of these

10. Six boys or four men can complete a piece of work in 24 days. In how many days will 3 boys and 10 men together complete the same piece of work?
    a) 6
    b) 8
    c) 12
    d) Cannot be determined
    e) None of these

SBI PO Prelim Exam Model Paper 5

Directions – (Q. 11-15) Study the follwing information carefully to answer the questions that follow –

In a tournament, a total number of 400 players have participated in five different sports, viz., badminton, hockey, lawn tennis, cricket and baseball. 15% of the total players have participated in badminton. Two-fifth of the total players have participated in hockey. 6% of the total players have participated in cricket. Remaining players have participated in baseball. On-fourth of the hockey players are females. 20 % of badminton players are make. Half the players who have participated in Lawn tennis are males. There are 45 female cricket players. No female player has participated in baseball.

11. Number of female players participating in badminton is approximately what percentage of the number of players participating in baseball?
    a) 72
    b) 75
    c) 80
    d) 95
    e) 86

12. What is the difference between the number of male players participating in hockey and the number of female players participating in lawn tennis?
    a) 92
    b) 98
    c) 102
    d) 108
    e) None of these

13. If due to certain reason cricket game was dropped and all the cricket players left the tournament, then what wouyld be the total number of male players in the trounament?
    a) 200
    b) 210
    c) 190
    d) 220
    e) None of these

14. What is the respective ratio between the number of male players participating in badminton and the number of female players participating in hockey?
    a) 3 : 11
    b) 3 : 10
    c) 6 : 11
    d) 11 : 6
    e) None of these

15. What is the total number of female players participating in the tournament?
    a) 130
    b) 120
    c) 145
    d) 155
    e) None of these

Directions – (Q. 16-20) Study the following table carefully to answer the questions that follow –

	A		B		C		D		E	
Number of Clerks and Officers Recruited (in thousands) by Five Different Banks during Six Different Years										
					Bank					
Year	Clerk	Officer	Clerk	Officer	Clerk	Officer	Clerk	Officer	Clerk	Officer
2004	4.2	1.6	3.6	2.2	5.3	3.8	6.9	5.6	7.7	6.9
2005	5.2	2.7	5.8	4.6	6.9	4.0	7.0	3.8	8.8	4.4
2006	3.3	3.9	4.9	2.8	6.4	4.6	9.5	7.8	9.9	7.9
2007	5.7	4.1	5.8	5.6	7.9	5.7	8.6	6.3	11.5	9.8
2008	6.9	3.9	6.9	5.7	5.8	6.4	11.7	9.8	14.8	11.3
2009	7.2	5.5	8.9	5.1	6.8	5.5	10.6	8.9	15.9	10.7

16. In which bank the total number of Officers and Clerks recruited together in the year 2008 is second highest?
    a) E
    b) C
    c) B
    d) A
    e) D

SBI PO Prelim Exam Model Paper 5

17. What was the respective ratio between the total number of Officers recruited by bank C and D together in the year 2006 and the number of Clerks recruited by bank A in the year 2009?
    a) 31 : 18
    b) 31 : 17
    c) 18 : 35
    d) 19 : 11
    e) None of these

18. What was the average number of Officers recruited by Bank C over all the years?
    a) 3000
    b) 5000
    c) 30000
    d) 5500
    e) None of these

19. In which bank the number of Clerks recruited continuously increased during the year 2004 to 2009?
    a) Only D and E
    b) Only B
    c) Only E
    d) Only C and D
    e) None of these

20. Total number of Officers recruited by all the banks together in the year 2004 was approximately what percentage of the total number of Clerks recruited by bank B in the year 2008 and 2009 together?
    a) 112
    b) 77
    c) 93
    d) 127
    e) 102

Directions – (Q. 21-25) What will come in place of question mark (?) in the following questions?

21. $(0.7)^2 \div (0.343) = (0.7)^? \div (0.49)^3$
    a) 3
    b) 6
    c) 7
    d) 4
    e) None of these

22. $1575 \div 21 \div 5 = \sqrt{?} \times 6$
    a) 6.25
    b) $\sqrt{2}.5$
    c) 62.5
    d) 2.5
    e) None of these

23. $5.6 \times 12.5 \div 0.5 + 15.5 = ? + 49.5$
    a) 106
    b) 110
    c) 120
    d) 156
    e) None of these

24. $(\overline{?\,\square 1})^z = 8 \,\square\sqrt{28}$
    a) 6
    b) 4
    c) 9
    d) 7
    e) None of these

25. $32.5 \times 26\%$ of $450 \div 3 \,\square\, 745.5 = ?$
    a) 542
    b) 522
    c) 632
    d) 612
    e) None of these

Directions (Q. 26-30) What approximate value will come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value)

26. $2\frac{2}{7} \times \frac{4}{5} \div 1\frac{1}{19} \times 4\frac{1}{7} = ?$
    a) 2
    b) 4
    c) 12
    d) 15
    e) 7

27. $(14.98)^2 \square (3.99)^3 + (8.01)^3 = ?$
    a) 675
    b) 600
    c) 700
    d) 580
    e) 540

SBI PO Prelim Exam Model Paper 5

28. 35.01% of 999 + 19.99% of 601 = ?
 - a) 580
 - b) 470
 - c) 400
 - d) 540
 - e) 420

29. 8999.94 ⏢ 3001.01 ⏢ 999.09 = ?
 - a) 9000
 - b) 9500
 - c) 10000
 - d) 10500
 - e) 9700

30. 1401 ÷ 29.98 × 9.96 ⏢ 100.01 = ?
 - a) 460
 - b) 550
 - c) 365
 - d) 250
 - e) 200

Directions (Q. 31-35) What will come in place of question mark (?) in the following number series?

31. 18, 96, 161, 213, 252, ?
 - a) 264
 - b) 278
 - c) 265
 - d) 291
 - e) None of these

32. 7, 13, 24, 40, 61, ?
 - a) 87
 - b) 92
 - c) 89
 - d) 93
 - e) None of these

33. 8, 12, 39, 55, 180, ?
 - a) 216
 - b) 238
 - c) 240
 - d) 206
 - e) None of these

34. 3, 7, 19, 39, 67, ?
 - a) 107
 - b) 113
 - c) 109
 - d) 103
 - e) None of these

35. 759, 423, 255, 171, 129, ?
 - a) 118
 - b) 107
 - c) 98
 - d) 92
 - e) None of these

Reasoning Ability

36. In a certain code language 'they have come back' is written as najasa da and 'they have gone there' is written as 'da ka pa na'. How is 'come' written in that code language?
 - a) sa
 - b) pa
 - c) ja
 - d) sa or ja
 - e) Data inadequate

37. How many meaningful English words can be made with the letter IFEL using each letter only once in each word?
 - a) None
 - b) One
 - c) Two
 - d) Three
 - e) More than three

38. Each consonant in the word TIRADES is replaced by the previous letter in the English alphabet and each vowel is replaced by the next letter in the English alphabet and the new letters are rearranged alphabetically. Which of the following will be the 4th from the right end?
 - a) F
 - b) J
 - c) Q
 - d) C
 - e) None of these

SBI PO Prelim Exam Model Paper 5

39. Pointing to a girl, Mihir said, "She is the only daughter of my grand father's only child". How is the girl related to Mihir?
    a) Daughter
    b) Niece
    c) Sister
    d) Data inadequate
    e) None of these

40. In a row of 25 children facing South R is 16th from the right end and B is 18th from the left end. How many children are there between R and B?
    a) 2
    b) 3
    c) 4
    d) Data inadequate
    e) None of these

41. W walked 40 m towards West, took a left turn and walked 30 m. He then took a right turn and walked 20 m. He again took a right turn and walked 30 m. How far was he from the starting point?
    a) 70 m
    b) 60 m
    c) 90 m
    d) Can't be determined
    e) None of these

42. How many such pairs of letters are there in the word POSITIVE each of which has as many letters between them in the word as in the English alphabet?
    a) None
    b) One
    c) Two
    d) Three
    e) More than three

43. In a certain code, GATE is written as 5*3$ and TOUR is written as 32@%. How is URGE written in that code?
    a) 3%5$
    b) $%@5
    c) @%3$
    d) @%5$
    e) None of these

44. If it is possible to form only one such number with the 3rd, 6th and 7th digits of the number 7394261 which is the perfect square of a two digit odd number, which of the following will be the 1st digit of that two-digit odd number?
    a) 9
    b) 3
    c) 5
    d) No such number can be formed
    e) More than one such number can be formed

45. How many such pairs of digits are there in the number 539816 each of which has as many digits between them in the number as when the digits are arranged in descending order within the number?
    a) None
    b) One
    c) Two
    d) Three
    e) More than three

Directions (Q. 46-50) Following questions are based on the five three digit numbers given below.

519   328   746   495   837

46. If half of the 2nd highest number is subtracted from the 3rd highest number, what will be the value?
    a) 156
    b) 146
    c) 213
    d) 214
    e) None of these

47. If the positions of the 1st and the 3rd digits in each of the numbers are interchanged, which of the following will be the 2nd digit of the lowest number?
    a) 1
    b) 2
    c) 4
    d) 9
    e) 3

SBI PO Prelim Exam Model Paper 5

48. If in each number the 3rd digit becomes the 1st digit, the 1st digit becomes the 2nd digit and the 2nd digit becomes the 3rd digit, which of the following will be the 1st digit of the 2nd highest number?

a) 9
b) 6
c) 5
d) 7
e) 8

49. Which of the following represents the difference between the 1st and the 2nd digits of the 2nd highest number?

a) 4
b) 1
c) 3
d) 5
e) None of these

50. If '1' is subtracted from the 3rd digit of each number and '1' is added to the 1st digit of each number, which of the following will be the sum of the 2nd and 3rd digits of the 2nd lowest number?

a) 13
b) 9
c) 8
d) 6
e) None of these

Directions (Q. 51-55) Study the following arrangement carefully and answer the questions given below.

H 9 3 P $ K E % 4 F R 1 U @ W G 2 M I 5 B Q Z 6 © * N ! 8 V J

51. If all the symbols and numbers are dropped from the above arrangement, which of the following will be the 14th from the right end?

a) M
b) K
c) W
d) E
e) None of these

52. What should come in place of the question mark (?) in the following series based on the above arrangement?

PK%   RUW   M5Q   ?

a) ON8
b) ©N@
c) 6*@
d) 6*8
e) None of these

53. How many such numbers are there in the above arrangement each of which is immediately preceded by a letter and immediately followed by a symbol?

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

54. Which of the following is the 7th to the left of the 20th from the left end of the above arrangement?

a) U
b) S
c) I
d) N
e) None of these

55. How many such consonants are there in the above arrangement each of which is immediately followed by number but not immediately preceded by a number?

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

Directions (Q. 56-60) In each of the questions below are given three statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from 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.

56. **Statements:**   Some carrots are brinjals.
                          Some brinjals are apples.

SBI PO Prelim Exam Model Paper 5

All apples are bananas.

Conclusions:
I. Some apples are carrots.
II. Some bananas are brinjals.
III. Some bananas are carrots.

a) Only I follows
b) Only II follows
c) Only III follows
d) Only either II or III follow
e) None of these

57. **Statements:**
All keys are locks.
All locks are bangles.
All bangles are cars.

Conclusions:
I. Some cars are locks.
II. Some bangles are keys.
III. Some cars are keys.

a) Only I follows
b) Only I and II follow
c) Only I and III follow
d) Only II and III follow
e) All I, II and III follow

58. **Statements:**
All fruits are leaves.
Some leaves are trees.
No tree is house.

Conclusions:
I. Some houses are fruits.
II. Some trees are fruits.
III. No house is fruit.

a) Only I follows
b) Only II follows
c) Only III follows
d) Only either I or III follows
e) None follows

59. **Statements:**
All tables are mirrors.
Some mirrors are chairs.
All chairs are glasses.

Conclusions:
I.   Some glasses are mirrors.
II.   Some chairs are tables.
III.   Some mirrors are tables.

a) Only I and II follow
b) Only II and III follow
c) Only I and III follow
d) All I, II and III follow
e) None of these

60. **Statements:**
All calculators are boxes.
All boxes are taps.
Some taps are machines.

Conclusions:
I.   Some machines are boxes.
II.   Some taps are calculators.
III.   Some boxes are calculators.

a) Only I and II follow

SBI PO Prelim Exam Model Paper 5

b) Only I and III follow
c) Only II and III follow
d) All I, II and III follow
e) None of these

Directions (Q. 61-65) Study the following information carefully and answer the given questions.

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

Input:	96 gain 63 forest 38 78 deep house
Step I	deep 96 gain 63 forest 38 78 house
Step II	deep 38 96 gain 63 forest 78 house
Step III	deep 38 forest gain 96 63 78 house
Step IV	deep 38 forest 63 gain 96 78 house
Step V	deep 38 forest 63 gain 78 96 house
Step VI	deep 38 forest 63 gain 78 house 96

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

61. **Input:** train 59 47 25 over burden 63 sky
   Which of the following steps will be the last but one?
   a) VI   b) V   c) IV
   d) VII   e) None of these

62. **Input:** service 46 58 96 over there desk 15
   Which of the following will be step VI?
   a) desk 15 over service 46 58 96 there
   b) desk 15 over 46 service there 58 96
   c) desk 15 over 46 service 58 there 96
   d) desk 15 over 46 service 58 96 there
   e) There will be no such step

63. **Step II of an input is:** below 12 93 house floor 69 57 task
   Which of the following will definitely be the input?
   a) 93 house 69 57 below task floor 12
   b) 93 house below 69 57 task floor 12
   c) 93 house floor 69 57 task below 12
   d) Can't be determined
   e) None of these

64. **Step III of an input is:** art 24 day 83 71 54 star power
   Which of the following steps will be the last?
   a) V   b) VIII   c) IX
   d) VII   e) None of these

65. **Step II of an input is:** cold 17 wave 69 never desk 52 43
   How many more steps will be required to complete the rearrangement?
   a) Six   b) Five   c) Four
   d) Three   e) None of these

SBI PO Prelim Exam Model Paper 5

Directions (Q. 66-70) In the following questions, the symbols *, @, %, @ and © are used with the following meaning as illustrated below.

'P % Q' means 'P is not smalle than Q'.
'P © Q' means 'P is neither smaller than nor equal to Q'.
'P * Q' means 'P is neither greater than nor equal to Q'.
'P ! Q' means 'P is not greater than Q'.
'P @ Q' means 'P is not greater than Q'.

Now, in each of the following questions assuming the given statements to be true, find which of the three conclusions I, II and III given below them is/are definitely true and give your answer accordingly.

66. **Statements:**   R ! K, K * M, M @ J
    Conclusions: I. J © K
    II. M © R
    III. R * J

    a) Only I and II are true
    b) Only II and III are true
    c) Only I and III are true
    d) All I, II and III are true
    e) None of these

67. **Statements:**   Z @ M, M © K, K * F
    Conclusions: I. F © Z
    II. K * Z
    III. F © M

    a) None is true
    b) Only I is true
    c) Only II is true
    d) Only III is true
    e) Only II and III are true

68. **Statements:**   B * J, J % W, W © M
    Conclusions: I. M * J
    II. W * B
    III. B © M

    a) None is true
    b) Only I is true
    c) Only II is true
    d) Only III is true
    e) Only I and III are true

69. **Statements:**   V % H, H @ F, F ! E
    Conclusions: I. F @ V
    II. F * V
    III. E % H

    a) Only either I or II is true
    b) Only III is true
    c) Only I and II are true
    d) All I, II and III are true
    e) Only either I or II and III are true

70. **Statements:**   W © T, T ! N, N % D
    Conclusions: I. D * T
    II. W © N

SBI PO Prelim Exam Model Paper 5

III. D @ T

a) None is true
b) Only I is true
c) Only II is true
d) Only III is true
e) Only I and II are true

English Language

Directions (Q. 71-80) Read the following passage carefully and answer the questions given below it.

Rahul a young householder, used to study the scriptures everyday under a guru. One day the guru was explaining the following passage from the Upanishads.

"No husband is loved by his wife for his own sake but it is all for the sake of the self ____ No sons are loved by their fathers for their sake but it is all for the sake of the self that the sons become dear to him."

At that stage, Rahul intervened and said, "Sir, in my case, both my parents and my wife love me so dearly for my own sake that if I am delayed by a few minutes in reach ing home they get highly agitated and if something happens to me they will die." Guruji said, "You shall learn the truth of it tomorrow, when you see the result of a test I am going to hold. Before going to bed tonight, you must swallow this herbal powder. As a result, you will lie as if dead tomorrow morning, but you will be able to hear all that is spoken in your presence. After a few hours, when the effect of this medicine wears off, you will become normal and get up. You will see the fun."

Rahul did as instructed and in the morning his wife and parents found him 'dead'-lying motionless without any pulse or heartbeat. The guruji asked for a jar full of water and said, "I shall draw out all the bad destiny responsible for yhour son's death into this water. One of you will have to drink this water. The one who drinks will die immediately, while Rahul will be restored to life. Tell me who among you is prepared to die for him?

Both the parents refused saying, "we are old and, helping each other mutually. If one dies, the other will not have anybody to help. So our drinking the water is out of question." Rahul's young wife also said, "I am very young and have not seen anything of this world yet. When such old people, who have seen life in its fulness, do not want to die how can you expect me to volunteer for death?

A brighter idea flashed into the mind oif the fat her who told the guruji, "Sir, you are a reunciate and have no relatives to mourn your death. Why don't you drink the water yourself? We will conduct your funeral in a grand manner."

71. The contents of the passage prove that
    a) What the Upanishad states appears to be true
    b) Rahul's initial understanding about his family members was true
    c) The guru did not have any miraculous power
    d) The guru did not have thorough knowledge of scriptures

72. After experimenting as per the guru's plan, Rahul realised that
    a) His parents would do anything for his sake
    b) His wife would readily sacrifice for his welfare
    c) The guru's prediction had proved to be wrong
    d) One loves oneself more than one loves anyone else

SBI PO Prelim Exam Model Paper 5

73. What according to the passage, was the essence of the Upanishad passage?
    a) Sons are loved by their fathers for the sake of themselves
    b) Relatives are dear to us because we love them
    c) Most human beings are not selfish
    d) Every person's actions are to gratify himself or herself

74. The guru wanted a jar of water to
    a) Drink from as he was very thirsty
    b) Extract the bad elements responsible for Rahul's death
    c) Give it to Rahul's parents to drink from
    d) Sprinkle it on Rahul's dead body to bring him to life

75. Which of the following was proposed by Rahul's father to the guru?
    a) He (Rahul's father) may be given the enchanted water to drink
    b) Rahul's wife was the most appropriate person to drink the magical water
    c) Rahul be brought back to life without the death of anybody else
    d) None of the above

Directions (Q. ____) Choose the word which is most opposite in meaning of the word given in bold as used in the passage.

76. Refused
    a) Denied   b) Accepted   c) Declined
    d) Defused   e) Accomplished

77. Bright
    a) Vivid   b) Dark   c) Dazzling
    d) Shadow   e) Stupid

78. Agitated
    a) Roused   b) Troubled   c) Excited
    d) Calm   e) Angered

Directions (Q. ____) Choose the word which is most nearly the same in meaning of the word given in bold as used in the passage.

79. Apprised
    a) Respected   b) Valued   c) Assessed
    d) Shown   e) Informed

80. Entreated
    a) Respected   b) Implored   c) Desired
    d) Commanded   e) Managed

Directions (Q. 81-85) Which of the phrases (1), (2), (3) and (4) given below each sentence should replace the word/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 (5) as the answer.

81. NABARD has the responsibility **of lay down** the policies for the RRBs, to oversee their operations, provide refinance facilities, to monitor their performance and to attend their problems.
    a) to laid down
    b) of laying down
    c) on lays down
    d) for lay downs

SBI PO Prelim Exam Model Paper 5

e) No correction required

82. Groundwater and surface water are **traditionally concerned** of rural communities, as those communities are almost exclusively served by well water.
    a) a tradition of concern
    b) traditions of concerning
    c) traditionally concerns
    d) tradition for concerned
    e) No correction required

83. The **very publicised** mid day meal scheme meant to reduce dropout rates in schools seems to be not yielding the desired results.
    a) muchpublicised
    b) many publicity
    c) too public
    d) little publicity of
    e) No correction required

84. **Not like** the urban schools and colleges, the schools in rural areas do not encourage the children to excel in extracurricular activities.
    a) Similarly to   b) Inspite of   c) Unlike
    d) Despite   e) No correction required

85. The government said that the iron levels in groundwater were higher **than that prescribe** in 254 districts.
    a) then those prescribe
    b) then that prescribed
    c) prescription
    d) than those prescribed
    e) No correction required

Directions (Q. 86-90) Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank which best fits the meaning of the sentence as a whole.

86. A model based approach has been ____ to identify the factors that are ____ for the problems faced by the rural areas.
    a) pursued, guilty
    b) placed, accountable
    c) approved, made
    d) identified, liable
    e) adopted, responsible

87. Farm living is dependent on ____ environmental conditions, and in times of drought, flood or pestilence, survival becomes extremely ____.
    a) irregular, simple
    b) sedentary, dangerous
    c) erratic, easy
    d) unpredictable, problematic
    e) impulsive, tough

88. It is also a ____ of industrialization that farms become more mechanized, putting many labourers out of ____.
    a) result, work
    b) point, city

SBI PO Prelim Exam Model Paper 5

c) idea, labour
d) consequence, bounds
e) cause, employment

89. Since their inception, Regional Rural Banks have taken ____ roots and have become a sort of ____ part of the rural credit structure in India.
    a) many, frivolous
    b) to, vital
    c) several, small
    d) all, essential
    e) deep, inseparable

90. Any new proposal in the educationsector should ____ the chances for the rural poor to have a ____ education at par with their urban counter parts in their villages themselves.
    a) increase, well
    b) improve, good
    c) search, standard
    d) glorify, better
    e) lessen, regular

Directions (Q. 91-100) Reach each sentence to find out whether there is any grammatical error or idiomatic error in it. 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 (5). (Ignore errors of punctuation, if any).

91. In this globalized era, 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) No error (5)
92. A strong bond of friendship among (1) / school administrative staff and teachers are (2) / responsible for the negligence of (3) / many aspects of education. (4) No error (5)
93. The Minister saying that the States (1) / had been requested to accord priority to (2) / water quality affected habitations and to ensure that (3) / funds provided by the federal government were utilized. (4) No error (5)
94. Many of (1) the households in the urban areas (2) / are blessed with (3) / technological advancement. (4) No error (5)
95. While ground water is not the only sources of (1) / drinking water that the government utilizes, it is one of the (2) / key supplies and the dependence on (3) / ground water has been increasing over the years. (4) / No error (5)
96. The buzz at the party was (1) / that a famous (2) / filmstar and politician, would (3) / probable drop by for a while (4) / No error (5)
97. The opposition disrupted proceedings (1) / in both Houses of Parliament (2) / for the second consecutive day (3) / above the plight of farmers in the country (4) / No error (5)
98. In response of the growing crisis, (1) / the agency is urgently asking for (2) / more contributions, to make up for (3) / its sharp decline in purchasing power (4) / No error
99. The Tennis player easy through (1) / the opening set before her opponent, (2) / rallied to take the final two sets (3) / for the biggest victory of her young carrer. (4) No error (5)
100.   Aggression in some teenage boys (1) / may be linkage to overly (2) / large glands in their brains, (3) / a new study has found. (4) No error (5)

Answers:

1. Option C
   C.P. of the item $= \dfrac{6750 \times 100}{75} = $ Rs.9000
   Required S.P. of the item $= \dfrac{9000 \times 115}{100} = $ Rs.10350

SBI PO Prelim Exam Model Paper 5

2. Option A

   Length of the rectangle $= \frac{112}{8} = 14$ cm.

   Pedrimeter of the rectangle $= 2(14 + 8)$

   $= 44$ cm.

   Circumference of the circle $= 132 \square 44 = 88$ cm.

   $r = \frac{88 \times 7}{2 \times 22} = 14$ cm.

   Area of the rectangle $= \frac{22}{7} \times 14 \times 14 = 616$ sq. cm.

3. Option D

   Cost of 2 kg of rice $= 17.50 \times 3 \times 2 = $ Rs.105

   Cost of 3 kg of apple $= 17.50 \times 3 \times 12 \times \frac{3}{5} = $ Rs.378

   Cost of 2 kg of rice + 3 kg of apple + 4 kg of flour $= 105 + 378 + 17.50 \times 4 = $ Rs.553

4. Option B

   Number $= 740 \times \frac{35}{100} \square 34 = 225$

   $\frac{2}{5}$ of the number $= 225 \times \frac{2}{5} = 90$

5. Option C

   The largest angle of the quadrilateral $= \frac{6 \times 360°}{6 + 4 + 3 + 5} = 120°$

   The smallest angle of the triangle $= 120 \times \frac{1}{4} = 30°$

   If the second largest angle of the triangle be x°, then the largest angle of the triangle $= (x° + 10°)$

   $30 + x + x + 10 = 180$

   $x = 70°$

6. Option B

   Speed of the train $= \frac{1235}{19} = 65$ km/hr.

   Speed of the car $= 65 \times \frac{4}{5} = 52$ km /hr.

   Required distance $= 52 \times 22 = 1144$ km/hr.

7. Option C

   Let the present age of Meera be 3x years

   The present age of Priya $= 4x$ years

   $\frac{3x \square 10}{4x \square 10} = \frac{4}{7}$

   $21x \square 70 = 16x \square 40$

   $x = \frac{70 \square 40}{5} = 6$

   Meera's age of 5 years $- 3 \times 6 + 5 - 23$ years

8. Option E

   The average marks of remaining 6 students $= \frac{9 \times 63 \square (78 + 69 + 48)}{6}$

   $= \frac{567 \square 195}{6} = 62$

9. Option E

   Total ways $= {}^{16}c_3$

   $= \frac{16}{13 \; 3} = 560$

   Fourable ways $= {}^{4}c_3$

SBI PO Prelim Exam Model Paper 5

10. Option B

    4 men = 6 boys

    10 men = $\frac{6}{4}$ × 10 = 15 boys

    10 men + 3 boys = 15 + 3 = 18 boys

    Required number of days = $\frac{6 \times 24}{18}$ = 8

Game	Male Players	Female Players	Total of Players
Badminton	12	48	60
Lawn Tennis	12	12	24
Hockey	120	40	160
Cricket	55	45	100
Baseball	56	x	56

11. Option E

    Required % = $\frac{48}{56}$ × 100 = 86 (App.)

12. Option D

    Required difference = 120 ▢ 12 = 108

13. Option A

    Required number = 12 + 12 + 120 + 56 = 200

14. Option B

    Required ratio = 12 : 40

                 = 3 : 10

15. Option C

    Required number = 48 + 12 + 40 + 45 = 145

16. Option E

    In bank A, the number of officers and clerks in 2008 = (6.9 + 3.9) thousand = 10800

    In bank B, the number of officers and clerks in 2008 = (6.9 + 5.7) thousand = 12600

    In bank C, the number of officers and clerks in 2008 = (5.8 + 6.4) thousand = 12200

    In bank D, the number of officers and clerks in 2008 = (11.7 + 9.8) thousand = 21500

    and in bank E, the number of officers and clerks in 2008 = (14.8 + 11.3) thousand = 26100

    The second highest number is in 'D'.

17. Option A

    Required ratio = $\frac{4.6 + 7.8}{72}$

                 = $\frac{124}{72}$ = 31 : 18

18. Option B

    The average number = $\frac{3.8 + 4.0 + 4.6 + 5.7 + 6.4 + 5.5}{6}$ thousand = 5000

19. Option C

20. Option D

    % = $\frac{1.6 + 2.2 + 3.8 + 5.6 + 6.9 \times 100}{6.9 + 8.9}$

      = $\frac{2010}{158}$ = 127 (App.)

21. Option E

SBI PO Prelim Exam Model Paper 5

$(0.7)^2 + 0.343 = (0.7)^2 + (0.49)^3$

$\frac{(0.7)^2}{(0.7)^3} = \frac{(0.7)^7}{(0.7)^6}$

$(0.7)^{2 \cdot 3} = (0.7)^{? \cdot 6}$

$? \cdot 6 = 2 \cdot 3$

$? = 6 \cdot 1 = 5$

22. **Option A**

$\sqrt{?} \times 6 = \frac{1575}{21 \times 5}$

$\sqrt{?} = \frac{15}{6} = 2.5$

$? = 6.25$

23. **Option A**

$? + 49.5 = 5.6 \times \frac{125}{05} + 15.5$

$= 155.5$

$? = 155.5 - 49.5$

$= 106$

24. **Option D**

$(\sqrt{?} - 1)^2 = 8 - \sqrt{28}$

$= 7 + 1 - 2\sqrt{7}$

$(\sqrt{?} - 1)^2 = (\sqrt{7} - 1)^2$

$\sqrt{?} = \sqrt{7}$

$? = 7$

25. **Option B**

$? = 32.5 \times \frac{26}{100}$ of $450 \div 3$

$= 32.5 \times \frac{117}{3} - 745.5$

$= 1267.5 - 745.5$

$= 522$

26. **Option E**

$? = 2\frac{2}{7} \times \frac{4}{5} + 1\frac{1}{19} \times 4\frac{1}{7}$

$= 2 \times 1 + 1 \times 4$

$= \frac{2 \times 1}{1} \times 4$

$= 7$ (App.)

27. **Option A**

$? = (14.98)^2 - (3.99)^3 + (8.01)^3$

$= (15)^2 - (4)^3 + (8)^3$

$= 225 - 64 + 512$

$= 675$ (App.)

28. **Option B**

$? = \frac{35.01}{100}$ of $999 + \frac{19.99}{100}$ of 601

$= \frac{35}{100}$ of $1000 + \frac{20}{100}$ of 600

$= 350 + 120 = 470$

29. **Option C**

? ▢ 4999.91 = 8999.94 ▢ 3001.01 ▢ 999.09
? ▢ 5000 = 9000 ▢ 3001 ▢ 999
? = 9000 ▢ 3001 ▢ 999 + 5000
= 10000

30. Option C
? = 1401 ÷ 29.98 × 9.96 ▢ 100.01
$= \frac{1401}{30} \times 10 ▢ 100$
= 467 ▢ 100
= 365 (App.)

31. Option B
18 + 78 = 96 + 65 = 161 + 52 = 213 + 39 = 252 + 26 = 278

32. Option A
7 + 6 = 13 + 11 = 24 + 16 = 40 + 21 = 61 + 26 = 87

33. Option A
$8 + (2)^2 = 12 + (3)^2 = 39 + (4)^2 = 55 + (5)^2 = 180 + (6)^2 = 216$

34. Option D
3 + 4 = 7 + 12 = 19 + 20 = 39 + 28 = 67 + 36 = 103

35. Option E
759 ▢ 336 = 423 ▢ 168 = 255 ▢ 84 = 171 ▢ 42 = 129 ▢ 21 = 108

36. Option D
They have come back – na ja sa da
They have gone there – da ka pa na
From both statements they have – na, da
So, come = ja or sa

37. Option B
38. Option B

T	I	R	A	D	E	S
S	J	Q	B	C	F	R

Alphabetically rearranged = B C F J Q R S

39. Option C
40. Option E
41. Option B
42. Option D
43. Option D

GATE   TOUR   URGE
5 * 3 $ 3 2 ! %   ! % 5 $

44. Option E
7   3   9   4   2   6   1
961 – numbe formed – 169 and square root of 169 = 13, also the square root of 961 will be 31. So, more than one such number can be formed.

45. Option D
46. Option B
519 ▢ 746/2 = 146

SBI PO Prelim Exam Model Paper 5

47. Option D
    915   823   647   594   738
    Smallest number = 594 and 2nd digit = 9

48. Option E
    951   832   674   549   783
    2nd largest number = 832 and their first digit = 8

49. Option C
50. Option A
51. Option D
    H P K E F R U W G M I B Q Z NV J
    E is 14th from the right end.
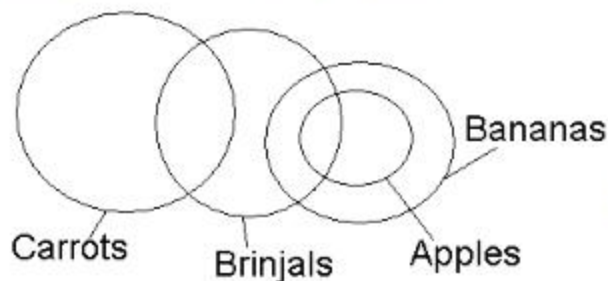
52. Option A
53. Option B

Letter	Number	Symbol
Z	6	©

54. Option A
    20 ⊡ 7 = 13th from left = U

55. Option D
56. Option B

Carrots   Brinjals   Apples   Bananas

Conclusions: I. False
                II. True
                III. False

Only II follows

57. Option E

SBI PO Prelim Exam Model Paper 5

Cars

Bangles

Locks

Keys
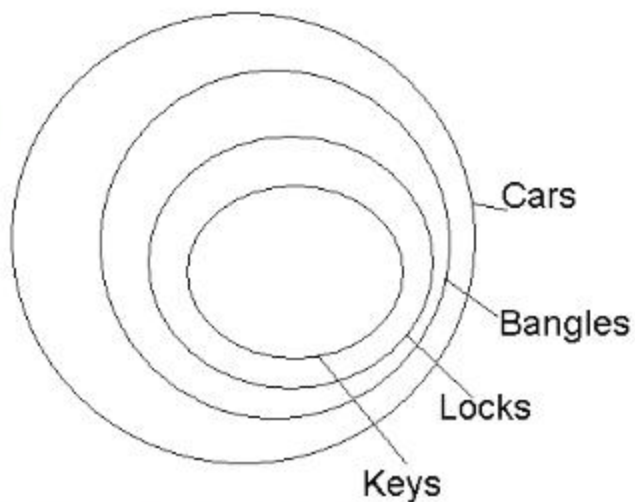
Conclusions: I. True
                II. True
                III. True

All I, II and III follow

58. Option D

Leaves

Trees

Houses

Fruits
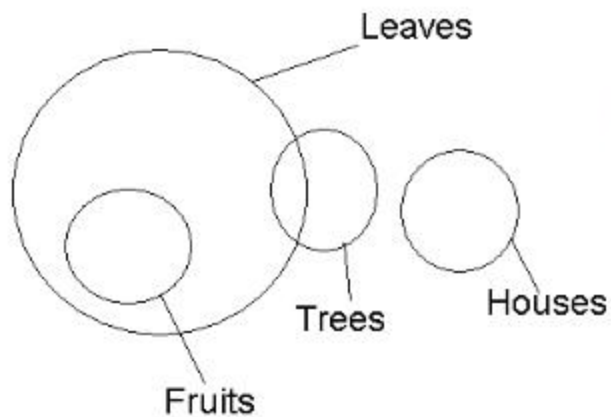
Conclusions: I. False
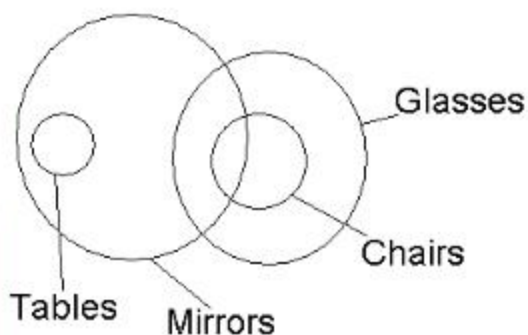   II. False
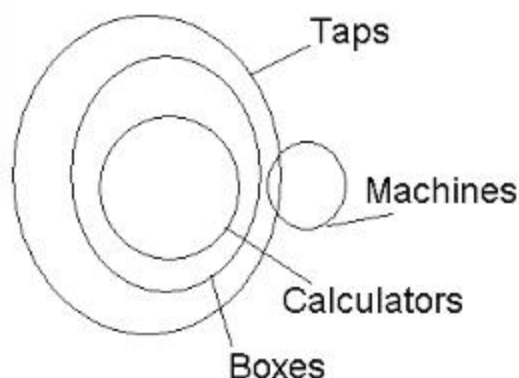   III. True

Either I or III follow

59. Option C

SBI PO Prelim Exam Model Paper 5

Conclusions: I. True
II. False
III. True
Only I and III follow

60. Option C

Conclusions: I. False
II. True
III. True
Only II and III follow

61. Option A
62. Option E
63. Option D
64. Option D
Step III: Art 24 day 83 71 54 star power
Step IV: Art 24 day 54 83 71 star power
Step V: Art 24 day 54 power 83 71 star
Step VI: Art 24 day 54 power 71 83 star
Step VII: Art 24 day 54 power 71 star 83

65. Option C
Step II: Cold 17 wave 69 never desk 52 43

| Step III: | Cold 17 desk wave 69 never 52 43 |
| Step IV: | Cold 17 desk 43 wave 69 never 52 |
| Step V: Cold 17 desk 43 never wave 69 52 |
| Step VI: | Cold 17 desk 43 never 52 wave 69 |

66. Option D
67. Option C
68. Option B
69. Option E
70. Option A
71. Option A
72. Option D
73. Option D
74. Option B
75. Option D
76. Option B
77. Option E
78. Option D
79. Option E
80. Option B
81. Option B
82. Option C
83. Option A
84. Option C
85. Option D
86. Option E
87. Option D
88. Option A
89. Option B
90. Option B
91. Option A
92. Option B
93. Option A
94. Option A
95. Option A
96. Option D
97. Option D
98. Option D
99. Option A
100.   Option B