SBI Clerk Prelims Previous Year Mock 2018 Solutions

REASONING ABILITY

Solutions (1–3)

Years	Books
1947	56
1956	59
1987	66
1998	61
2002	63

1. **(a);**   2. **(d);**   3. **(a);**

4. **(a);** The 1st, 6th , 8th and 9th letter of a word 'EMANICIPATE' are E, C, P, A
So, the words formed are PACE and CAPE

5. **(a);** The given word is- FIGURES
After the rearrangement- EIUFGRS
So, the letters between U and R will be two.

6. **(b);** The given number is- 39682147
After applied operation- 48573256
So, only digit 5 is repeated in the number thus formed.

Solutions (7–8)
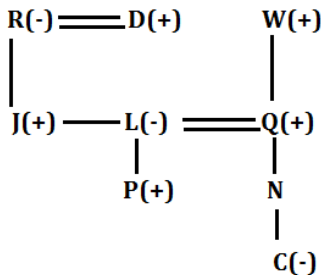
R(-)══D(+)   W(+)
| |
J(+)──L(-)══Q(+)
        | |
      P(+)   N
                  |
                 C(-)

7. **(e);**

8. **(c);**

Solutions (9–11):
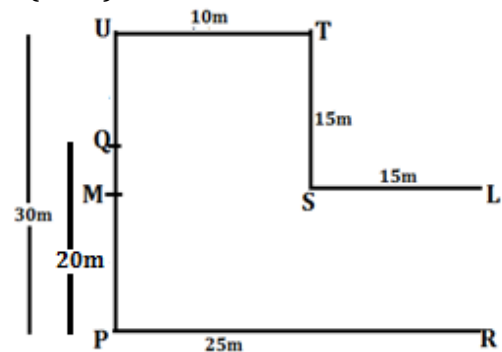
9. **(b);**   10. **(d);**   11. **(d);**

Solution (12–16):

Row-2: T Z U Y S X

Row-1: M F E K D L

12. **(d);**   13. **(a);**   14. **(d);**

15. **(b);**   16. **(c);**

17. **(e);**

Floors	Persons
5	A/B
4	X/Z
3	X/Z/Y
2	Z/Y
1	B/A

18. **(c);** OT21

19. **(e);** From both the statements I and II we can find that Diya sits immediate to the left of Ravi.

Diya Ravi   Sahil   Geeta
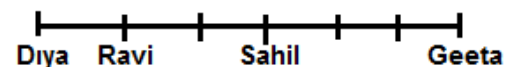
20. **(d);** right can be coded either %47 or *32.

21. **(d);**

Solutions (22–26)

22. **(a);** 5th to left of 17th from left= 17-5= 12th from left = D

23. **(c);** 9

24. (e); UJ6

25. (d); 1@, 3%, 8*

26. (a);

Solutions (27–28):
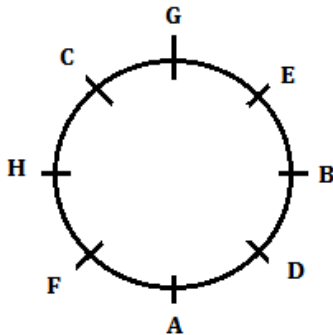
27. (e);

28. (d);

Directions (29–30):

Word	Code
friends	cm
key	xo
good	pe
law/found	og/bt
data	tu

29. (b);

30. (d);

Solution (31–35):

31. (a); 543 418 932 471 909

32. (c); 9/2= 4.5

33. (d); 356 128 237 149 299

34. (d); 563 218 732 929

35. (b); 218 732

QUANTITATIVE APTITUDE

36. (b); Lets A is 3x and B is x

C = $(3x - x) \times \frac{62.5}{100} = 2x \times \frac{5}{8} = 1.25x$

Required percent = $\frac{1.25x}{x} \times 100 = 125\%$

37. (e); A and B ratio of efficiency = 140x : 100x

= 7x : 5x

Total work = 20 (7x + 5x) = 240x units

A and B is eight days = 8 × (7x + 5x) = 96x units

Efficiency of C = $\frac{240x - 96x}{24} = \frac{144x}{24}$ = 6x units/day

C alone = $\frac{240x}{6x}$ = 40 days

38. (d); Lets length of rectangle is 3x meters and side of square x meters

2(3x + 8) – 4x = 40

6x + 16 – 4x = 40

2x = 24 ⇒ x = 12 cm

Area of square = a²

Area of square = 12² = 144 cm²

39. (a); Let milk and water in mixture be 7x and 5x liters respectively

$\frac{7x+56}{5x} = \frac{7}{3}$

35x – 21x = 168 ⇒ x = 12 liters

initial mixture = $(7 + 5) \times 12 = 144\ liters$

40. (c); R = $\frac{2016 \times 100}{8400 \times 2}$

R = 12%

New rate = $\frac{12}{2}$ = 6%

interest = $\frac{(8400+600) \times 6 \times 2}{100}$ = 1080 Rs.

Solutions (41 – 45):

Total students visited only town A = $400 \times \frac{20}{100} = 80$

Total students visited only town B = $80 \times \frac{85}{100} = 68$

Total students visited only town C = $400 \times \frac{18}{100} = 72$

Total students visited town A & B but not C = 68 -8 = 60

Total students visited town B & C but not A

= $\frac{60}{2} = 30$

Total students visited A & C but not B = $\frac{68+72}{2} = 70$

Total students visited all the three towns

= 400 – (80 + 68 +72+60+30+70) = 20

41. (a); Total number of students visited at least two towns

= 60 + 30 + 70 + 20 = 180

42. (c); Total students visited town A

= 80 + 60 + 70 + 20 = 230

Total students visited town C

= 72 + 30 + 70 + 20 = 192

Required difference = 230 – 192 = 38

43. (d); Required percentage = $\frac{20}{30} \times 100 = 66\frac{2}{3}\%$

44. (a); Required percentage = $\frac{80-72}{80} \times 100 = 10\%$

45. (b); Required ratio = $\frac{68+72}{80}$ = 7 : 4

46. (d); $\dfrac{12 \times 16 + \sqrt[3]{216}}{\sqrt{289}} - \dfrac{?}{52 \times 2 - 53} = 0$

$\dfrac{192+6}{17} - \dfrac{?}{51} = 0$

$\dfrac{198}{17} - \dfrac{?}{51} = 0$

$\dfrac{594 - ?}{51} = 0 \Rightarrow ? = 594$

47. (a); $13 \times 4 + \sqrt{?} = \dfrac{2}{3} \times 126$

$52 + \sqrt{?} = 84$

$\sqrt{?} = 84 - 52$

$\sqrt{?} = 32 \Rightarrow ? = 1024$

48. (e); $568 + 456 - ? = (28)^2$

$? = 1024 - 784 \Rightarrow ? = 240$

49. (b); $25 \times \dfrac{\sqrt[3]{?}}{\sqrt{125}} + 6 \times 9 = (8)^2$

$5 \times \sqrt[3]{?} = 64 - 54$

$\sqrt[3]{?} = 2 \Rightarrow ? = 8$

50. (c); $\sqrt{?} + 136 = \dfrac{5}{8}$ of 320

$\sqrt{?} = 200 - 136$

$\sqrt{?} = 64 \Rightarrow ? = 4096$

51. (b); Let speed of boat in still water and speed of current be 8x km/hr and
3x km/hr respectively
ATQ –
$\dfrac{110}{8x+3x} + \dfrac{110}{8x-3x} = 32$
$32x = 32 \Rightarrow x = 1$ km/h
Speed of stream $= 3 \times 1 = 3$ km/hr

52. (e); Let investment of A is Rs. X then investment of B is Rs. (20,000 – x)
Total profit $= 4500 \times \dfrac{16}{9} = 8000\ Rs.$
ATQ –
$\dfrac{x}{(20000-x)} = \dfrac{8000-4500}{4500}$
$16x = 140000 \Rightarrow x = 8750$ Rs.

53. (a); Let speed of train is S m/s
$S = \dfrac{120}{4.8} = 25\ m/s$
Let train will cross the platform in T sec
$25 = \dfrac{120+120\times3}{T}$
$25 \times T = 480$
$T = \dfrac{480}{25} \Rightarrow T = 19.2$ sec

54. (e); Four years ago –
$(T - 4) + 18 = (R - 4)$
$R - T = 18$ ... (i)
Given, R + T = 50   ... (ii)
From (i) and (ii)
$2R = 68$
R = 34 years
T = 16 years
Required ratio $= \dfrac{16}{34} = 8 : 17$

55. (c); Let cost price of article = 100x Rs.
Marked price of article = 140x Rs.
Selling price of Article $= 140x \times \dfrac{75}{100} \times \dfrac{90}{100}$
$= 94.5x$ Rs.
ATQ –
$100x - 94.5x = 352$
$5.5x = 352 \Rightarrow x = 64$ Rs.
Cost price $= 64 \times 100 = 6400\ Rs.$

56. (b); Total books sold on 15 May,2015 which are not comics by store R
$= \dfrac{120}{15} \times 21 \times \dfrac{25}{100} = 168 \times \dfrac{1}{4} = 42$

57. (a); Required percentage $= \dfrac{180-100}{100} \times 100$
$= \dfrac{80}{100} \times 100 = 80\%$

58. (b); Average number of books sold by store R & S on 15 April, 2015
$= \dfrac{120+90}{2}$
$= 105$
Average number of books sold by store Q & U on 15 April, 2015
$= \dfrac{60+100}{2} = 80$
Required difference $= 105 - 80 = 25$

59. (e); Required percentage $= \dfrac{180-120}{180} \times 100 = 33\dfrac{1}{3}\%$

60. (b); Total number of books sold by store T on 15 May, 2015
$= 180 \times \dfrac{120}{100} = 216$

61. (d); $\dfrac{40}{100} \times \dfrac{50}{100} \times \dfrac{60}{100} \times 1200 = ? + 125$
$\dfrac{2}{5} \times \dfrac{1}{2} \times \dfrac{3}{5} \times 1200 = ? + 125$
$? = 144 - 125 \Rightarrow ? = 19$

62. (a); $144 + 225 + \dfrac{?}{100} \times 200 = 484 - 5$
$2 \times ? = 479 - 369 \Rightarrow ? = 55$

63. (e); $\dfrac{145}{100} \times 180 + \dfrac{?}{100} \times 320 = 741$
$261 + \dfrac{?}{100} \times 320 = 741$
$\dfrac{?}{100} \times 320 = 741 - 261$
$? = \dfrac{480 \times 100}{320} \Rightarrow ? = 150$

64. (c); $(2^2)^6 \div (2^4)^2 \times 4 = ?$
$2^4 \times 2^2 = ? \Rightarrow ? = 64$

65. (a); $(23 - 17) \times 12 = 136 - ?^2$
$?^2 = 136 - 72 \Rightarrow ?^2 = 64 \Rightarrow ? = 8$

66. (b); $\frac{45}{100} \times 160 + \frac{?}{100} \times 180 = \frac{19}{100} \times 900$

$72 + \frac{?}{100} \times 180 = 171$

$\frac{?}{100} \times 180 = 171 - 72$

$\frac{?}{100} \times 180 = 99$

$? = \frac{99 \times 100}{180} \Rightarrow ? = 55$

67. (c); $? = (13 - 7 - 1) + \frac{8-3-6}{12}$

$? = 5 - \frac{1}{12} \Rightarrow ? = 4\frac{11}{12}$

68. (d); $\frac{198+232.5}{153-30} = ?$

$? = \frac{430.5}{123} \Rightarrow ? = 3.5$

69. (e); $\frac{8.4}{100} \times 300 + \frac{4.8}{100} \times ? = 102$

$\frac{4.8}{100} \times ? = 102 - 25.2$

$? = \frac{76.8 \times 100}{4.8} \Rightarrow ? = 1600$

70. (b); $? = 819.2 - 734 \Rightarrow ? = 85.2$

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71. (b); Out of all the given sentences/phrases only the second sentence is grammatically correct. Hence, option (b) is the correct answer.

72. (e); All of the given sentences/phrases are grammatically correct. Hence, option (e) is the correct answer.

73. (d); Out of all the given sentences/phrases only the fourth sentence is grammatically correct. Hence, option (d) is the correct answer.

74. (c); Out of all the given sentences/phrases only the third sentence is grammatically correct. Hence, option (c) is the correct answer.

75. (e); All of the given sentences/phrases are grammatically correct. Hence, option (e) is the correct answer.

76. (e); None of the given words is similar in meaning to 'associated'.

77. (d); The paragraph talks about the impact of globalization on education. Movement of people across the communities for standardizing education is ultimately improving education.
Hence 'enhance' is the most appropriate word to be filled in the blank making the sentence contextually correct.

78. (d); "Globalization's Impact on Education" is the most appropriate title of the passage.

79. (e); Sentence (e) is in accordance with the theme of the passage which is summarizing the whole passage. Other sentences are not delivering the exact explanation.

80. (e); All the sentences are correct in context of the passage.

81. (d); The most appropriate word that would fill the blank is 'grasp' which means seize and hold firmly. Encrypt means conceal data in (something) by converting it into a code. All the other words do not fill the blank appropriately; hence option (d) is the most appropriate choice.

82. (c); The correct option is (c). 'Miseries' is a plural form of noun and it is the only word that fits the blank appropriately.
Miseries mean feelings of great physical or mental distress or discomfort.
Heartaches are the emotional anguish or grieves, typically caused by the loss or absence of someone loved.

83. (a); Option (a) is the correct choice.
Mobility means the ability to move or be moved freely and easily.
Constancy means the quality of being enduring and unchanging.
Durability means the ability to withstand wear, pressure, or damage.
Adaptability means the quality of being able to adjust to new conditions.
Resilience means the capacity to recover quickly from difficulties; toughness.

84. (b); The correct option is option (b). The statement talks about an insightful review of a book that gives an understanding of a reality.

Alert means cautious.

Insightful means perceptive.

Rational means based on or in accordance with reason or logic.

Artful means clever or skillful, especially in a crafty or cunning way.

Obtuse means annoyingly insensitive or slow to understand.

85. (c); Option (c) is the right choice.

Inextricable means inseparable.

Determinable means able to be definitely decided or ascertained.

Elaborated means presented in further detail.

86. (c); The most appropriate phrase to replace the phrase given in bold is "Despite the government's protection". It is to be noted that "despite" does not take any preposition with it. It is always followed with a noun, pronoun or a gerund. Since option (c) is in the precise grammatical syntax, it becomes the most suitable answer choice.

87. (b); The most appropriate phrase to replace the incorrect bold phrase in the sentence is "lest he should report". It is to be noted that 'lest' is followed by 'should' and not 'would'. Therefore, option (b) becomes the most suitable answer choice.

88. (d); The most suitable phrase that should replace the phrase given in bold is "he flew into a rage". It is to be noted that after 'As soon as, So long as, As long as' we do not use 'than'. Except for option (d) none other options are in absolute grammatical syntax. Hence, it becomes the most viable answer choice.

89. (a); The most appropriate phrase to replace the given phrase in bold to make the sentence grammatically correct is "that ran her over while she was". It is to be noted that we will use 'that' in place of 'which' after 'the same' if the verb is clear. Here the word 'was' shows that the verb is clear. Hence, considering the given rationale option (a) becomes the most suitable answer choice.

90. (c); The appropriate phrase to replace the phrase in bold to make the sentence grammatically correct is "set your mind"

It is to be noted that this sentence is an example of First Conditional Sentences. In the case of First Conditional Sentences, we use the simple present tense in the if-clause and simple future tense in the main clause—that is, the clause that expresses the likely outcome. This is how we indicate that under a certain condition (as expressed in the if-clause), a specific result will likely happen in the future. Hence, considering the given option (c) becomes the most suitable answer choice.

Solutions (91–94): The proper sequence of sentences to form a meaningful paragraph will be **ECAFDB**.

91. (c);   **92. (d);**   **93. (a);**   **94. (b);**

95. (d); The correct sequence of the parts to form a grammatically correct and contextually meaningful sentence is DCAEB. Hence, option (d) is the most suitable answer choice.

96. (c); The correct sequence of the parts to form a grammatically correct and contextually meaningful sentence is CABED. Hence, option (c) is the most suitable answer choice.

97. (d); The correct sequence of the parts to form a grammatically correct and contextually meaningful sentence is BADEC. Hence, option (d) is the most suitable answer choice.

98. (b); The correct sequence of the parts to form a grammatically correct and contextually meaningful sentence is ADBCE. Hence, option (b) is the most suitable answer choice.

99. (c); The correct sequence of the parts to form a grammatically correct and contextually meaningful sentence is EACBD. Hence, option (c) is the most suitable answer choice.

100. (b); The correct sequence of the parts to form a grammatically correct and contextually meaningful sentence is DBAEC. Hence, option (b) is the most suitable answer choice.

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