

SBI CLERK Preliminary Grand Test –SCP-180662

HINTS & SOLUTIONS

ANSWER KEY

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

HINTS & SOLUTIONS

1. (5) The sentence is grammatically correct.
2. (4) 'vivid reason' will be used in place of 'vividly reason' because 'vividly' is an adverb while 'vivid' is an adjective and 'reason' is a noun for which adjective is used to express its qualities.
3. (4) 'had told' will be used in place of 'would have told' as for unreal situation of past, 'Subject + would/ could/ might/ should + have + V3' is used in main clause and 'Subject + had + V3' is used in conditional clause.
Ex. I would have helped you if you had come earlier.
4. (2) 'what makes/ what has made/ what made' will be used in place of 'what to make'.
5. (2) Use 'live' in place of 'have been lived' as simple present tense is used for work done for some permanent work of present.
6. (3) 'in' will be used in place of 'by'.
7. (2) Use 'why I had' in place of 'who I have' as reporting verb 'asked' is in past tense, hence reported speech must also be in past tense.
Ex. He asked me who had come.
8. (4) 'among' will be used in place of 'between' as 'between' is used for two persons while 'among' is used for more than two persons.
9. (3) 'quicker and safer than that' will be used in place of 'quick and safe than' as comparative degree is between 'the journey by bus' and 'the journey by train'.
10. (5) The sentence is grammatically correct.
11. (4) Replace 'government present willing' with 'present government's willingness'
12. (2) Replace 'One of the city's advantages including' with 'Some of the city's advantages include'
13. (5) No correction required.
14. (4) Replace 'more quality of students' with 'better quality students'
15. (3) Replace 'the women of the village takes care' with 'women of the village take care of'
16. (4) It is given in the fifth paragraph that "...The western concept of secularism is significantly different, being antagonistic to religions...." from this we may infer that the concept of western secularism is 'antagonistic' to religion. Hence, (1) is correct. In the same paragraph it is mentioned that "... It springs from a negative attitude to religions and is motivated by a concern for justice...." Hence, we can conclude that (B) is also true. Option (C) cannot be inferred from the given passage. Hence, (4) is the correct option.
17. (4) In context of S. Radhakrishnan, It is given in the fifth paragraph that "When India is said to be a secular state, it does not mean that we reject the reality of an unseen spirit or the relevance of religion to life or that we exalt irreligion." from this we can conclude that (a) and (b) is correct. Hence, (d) is the correct option.
18. (2) It is given in the first paragraph the "...The Rig Veda proclaims that diverse ways of worship reach the same destination..." Hence, we can conclude that (A) is not correct. From the same statement we can also conclude that (B) is true. Although, (C) is also given in the same paragraph, but, it is not the culmination of worship according to the Rig Veda. Hence, (b) is the correct option.
19. (5) It is given in the second last paragraph of the given passage that "Religion is just the outer garment of spirituality. It (Religion) has to end in spirituality.". From this we can conclude that (a) and (b) are correct. In the same paragraph, it is also given that "....discipline of religion should give us divine realisation of the oneness of the spirit...." Hence (c) is also true. Similarly, it is also given that " 'Atmanam viddhi' or 'Know Thyself' was the motto adopted by this country." hence, (d) is also true. Hence, (e) is the correct option.
20. (2) It is mentioned in the fourth paragraph of the passage that "Down the ages India has developed a rich tradition of secularism based on mutual respect and assimilation". After which the author introduces the fact of India's adoption of a secular Constitution. No other option has been given in this context, hence, we can conclude that (b) is the most appropriate option.
21. (2) In the fifth paragraph of the passage, it is given that "...in India, secularism implies a profound respect for all religions and an inclusive and impartial attitude to non-believers as well.....". Hence we can conclude that (A) and (B) are true. Hence, (b) is the correct option.
22. (1) **Expediency** means 'convenience'. Hence, 'desirability' is the word which is most similar in meaning to it.

Grand Test – SCP 180662

23. (2) **Assimilation** means 'The process by which a person or persons acquire the social and psychological characteristics of a group'. Hence, 'adoption' is the word which is most similar in meaning to it.
24. (5) **Diverse** means 'showing a great deal of variety'. Hence, 'unified' is the word which is most opposite in meaning to it.
25. (3) **Shrouded** means 'cover or envelop so as to conceal from view'. So, 'apparent' is the word which is most opposite in meaning to it.

26. (5) 27. (4)
28. (3) 29. (2) 30. (2)

31. (2) $\frac{65}{9} \times \frac{54}{13} + \frac{30}{13} = ? + 5$
 $5 \times 6 \times \frac{13}{30} \times 5 = ?$
 $? = 65$

32. (1) $\frac{432}{24} + \frac{672}{16} = \frac{?}{100} \times 150$
 $(18+42) \times 100 = ? \times 150$
 $? = 60 \times \frac{2}{3} = 40$

33. (4) $\frac{?}{1.5} = \frac{18 \times 18 \times 18}{3 \times 6 \times 9}$
 $? = 36 \times 1.5 = 54$

34. (2) $? = \frac{0.039 \times 65}{0.13 \times 2.6} = 7.5$

35. (4) $? + 370.68 = 651.68$
 $? = 281$

36. (5) (i) $x^2 - 12x + 32 = 0$
 $x^2 - 8x - 4x + 32 = 0$
 $x(x - 8) - 4(x - 8) = 0$
 $(x - 8)(x - 4) = 0$
 $x = 8, 4$

37. (2) (i) $2x^2 - 3x - 20 = 0$
 $2x^2 - 8x + 5x - 20 = 0$
 $2x(x - 4) + 5(x - 4) = 0$
 $(x - 4)(2x + 5) = 0$
 $x = 4, -5/2$
 (ii) $2y^2 + 11y + 15 = 0$
 $2y^2 + 6y + 5y + 15 = 0$
 $2y(y + 3) + 5(y + 3) = 0$
 $(2y + 5)(y + 3) = 0$
 $y = -\frac{5}{2}, -3$
 $x \geq y$

38. (3) (i) $x^2 - x - 6 = 0$
 $x^2 - 3x + 2x - 6 = 0$
 $x(x - 3) + 2(x - 3) = 0$
 $(x - 3)(x + 2) = 0$
 $x = 3, -2$
 (ii) $y^2 - 6y + 8 = 0$
 $y^2 - 2y - 4y + 8 = 0$
 $y(y - 2) - 4(y - 2) = 0$
 $(y - 2)(y - 4) = 0$
 $y = 2, 4$

No relation can be established between x and y

39. (3) (i) $x^2 + 14x - 32 = 0$
 $x^2 + 16x - 2x - 32 = 0$
 $x(x + 16) - 2(x + 16) = 0$
 $(x - 2)(x + 16) = 0$
 $x = -16, 2$

(ii) $y^2 - y - 12 = 0$
 $y^2 - 4y + 3y - 12 = 0$
 $y(y - 4) + 3(y - 4) = 0$
 $(y + 3)(y - 4) = 0$
 $y = -3, 4$
 No relation

40. (1) (i) $x^2 - 9y + 20 = 0$
 $x^2 - 5y - 4y + 20 = 0$
 $x(x - 5) - 4(y - 5) = 0$
 $(x - 4)(x - 5) = 0$
 $x = 4, 5$

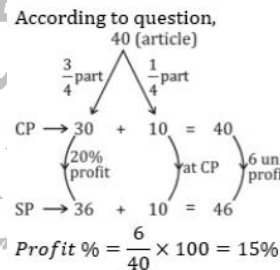
(ii) $2y^2 - 12y + 18 = 0$
 $2y^2 - 6y - 6y + 18 = 0$
 $2y(y - 3) - 6(y - 3) = 0$
 $(2y - 6)(y - 3) = 0$
 $y = 3, 3$
 $x > y$

41. (2) Marks obtained by D = 320
 Marks obtained by C
 $= 320 \times \frac{125}{100} = 400$
 Marks obtained by B
 $= 400 \times \frac{(100-10)}{100} = 360$
 Marks obtained by A
 $= 360 \times \frac{125}{100} = 450$
 Hence, required marks obtained by A = 450

42. (2) **ATQ**
Speed = $\frac{\text{Distance}}{\text{Time}}$
 Downstream speed = $x + y = \frac{48}{6} = 8 \text{ km/h}$
 Upstream speed = $x - y = \frac{36}{6} = 6 \text{ km/h}$
 $x + y = 8 \text{ km/h}$... (i)
 $x - y = 6 \text{ km/h}$... (ii)
 Solve equation (i) and (ii)
 $x = 7 \text{ km/h}$
 $y = 1 \text{ km/h}$
 \therefore Speed of the current is = 1 km/hr.

43. (1) Let the rate of interest = R%
 According to the question,
 $\frac{400 \times R \times 2}{100} + \frac{550 \times R \times 4}{100} + \frac{1200 \times R \times 6}{100} = 1020$
 $8R + 22R + 72R = 1020$
 $102R = 1020$
 $R = 10\%$

44. (3) Let total no. of articles is 40 unit
 CP of 1 article is Rs. 1



45. (4) Let there were 'N' number of men in beginning.
 $\Rightarrow N_{\text{men}} \times 60 \text{ days}$
 $= (N + 8)_{\text{men}} \times (60 - 10)$
 $6N = 5N + 40$
 $N = 40$

46. (5) Total no. of male students learning Indian Classical in schools P and S together
 $= \frac{5}{8} \times \frac{40}{100} \times 400 + \frac{3}{4} \times \frac{16}{100} \times 375$
 $= 145$
 And total female students learning Indian Classical in same schools together
 $= \frac{3}{8} \times \frac{40}{100} \times 400 + \frac{1}{4} \times \frac{16}{100} \times 375$
 $= 75$
 \therefore Required ratio = $\frac{145}{75}$
 $= \frac{29}{15}$

Grand Test – SCP 180662



47. (4) Total students who are below 17 years from Q
 $= \frac{1}{9} \times \frac{24}{100} \times 225$
 $= 6$
 \therefore Females who are below 17 years
 $= \frac{1}{2} \times 6 = 3$

48. (3) Required difference
 $= \frac{1}{3} \times \frac{24}{100} \times 225 + \frac{3}{5} \times \frac{20}{100} \times 525$
 $= 18 + 63$
 $= 81$

49. (2) Required average
 $= \frac{1}{3} \times \left(\frac{60}{100} \times 400 + \frac{76}{100} \times 225 + \frac{80}{100} \times 525 \right)$
 $= \frac{1}{3} \times (240 + 171 + 420)$
 $= 277$

50. (4) Total students in Q and S together
 $= \frac{24}{100} \times 225 + \frac{16}{100} \times 375$
 $= 114$
 Total students in P and R together
 $= \frac{40}{100} \times 400 + \frac{20}{100} \times 525$
 $= 265$

\therefore Required percentage
 $\frac{265 - 114}{265} \times 100$
 $\approx 57\%$

51. (5) $? \approx 0.5 \times 10 \times 53$
 $? \approx 5 \times 53 \approx 265$

52. (3) $\frac{?}{100} \times 450 - 12 \times 16 \approx 117 - \frac{24}{100} \times 650$
 $? \times 4.5 \approx 153$
 $? \approx 34$

53. (2) $? \approx (11)^2 + (4)^3 \times 4$
 $? \approx 121 + 256 = 377$

54. (1) $? \approx \frac{116}{100} \times 460 - \frac{162}{100} \times 160$
 $? \approx 533.6 - 259.2 = 274.4 \approx 274.$

55. (2) $100 + \frac{3}{5} \times 1890 \approx ? + 1000$
 $? \approx 100 + 1134 - 1000 = 234$

56. (3) Required cost price = $\frac{100}{120} \times \frac{100}{125} \times \frac{100}{110} \times 990$
 $= \text{Rs. } 600$

57. (4) Required number of selections = ${}^{12}C_{10} \times {}^2C_1$
 $= \frac{12 \times 11 \times 2}{2} = 132$

58. (1) Required age of 15th member = $(15 \times 15) - (14 \times 5) - (9 \times 16)$
 $= 225 - 70 - 144$
 $= 11$ years.

59. (4) Required probability = $\frac{{}^5C_2 \times {}^4C_2 + {}^5C_4 \times {}^4C_1 + {}^5C_5 \times {}^4C_0}{{}^9C_5}$
 $= \frac{81}{126} = \frac{9}{14}$

60. (1) Let his actual speed and time be x km / h and y hours respectively. Then,
 $xy = \frac{1}{3}x \times (y + 1)$
 or, $xy = \frac{1}{3}xy + \frac{1}{3}x$
 or, $y = \frac{1}{2}$ hr.

61. (2) $? = 0.1 + 0.01 + 0.001 = 0.111$
 62. (1) $? = 292$

63. (2) $? = \frac{4}{17} \times 17 + \frac{7}{15} \times 15$
 $= 11$

64. (3) $\sqrt{?} = 4 \times 7 + 32$
 $\sqrt{?} = 60$
 $\Rightarrow ? = 3600$

65. (5) $? = \frac{14}{5} - \frac{25}{7} \times \frac{21}{10} \times \frac{1}{5}$
 $= \frac{14}{5} - \frac{3}{2}$
 $= \frac{13}{10}$
 $= 1 \frac{3}{10}$

66. (1)
 68. (2)

67. (4)
 69. (2)

70. (2)

71 - 75.

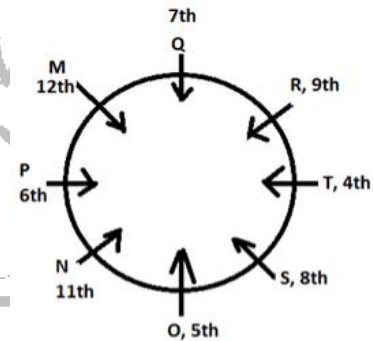
South facing U Q T Z S
 North facing W V X R Y

71. (3)
 73. (5)

72. (4)
 74. (2)

75. (1)

76 - 80.



76. (3)
 78. (1)

77. (1)
 79. (5)

80. (2)

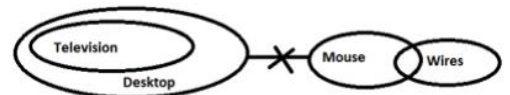
81 - 85.

Name	galaxy	planet
J	Y	Mars
U	Y	Pluto
P	Z	Venus
I	Z	Saturn
T	Y	Earth
E	X	Jupiter
R	X	Neptune

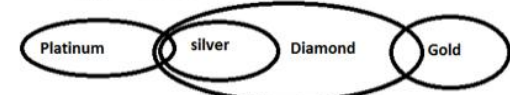
81. (2)
 83. (5)
 86. (1)

82. (1)
 84. (3)

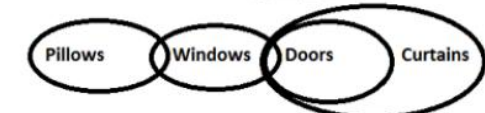
85. (5)



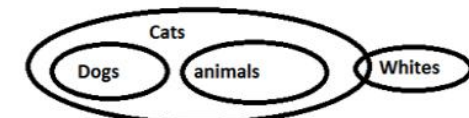
87. (2)



88. (3)



89. (4)



Grand Test – SCP 180662



90. (4)



91 – 95.

Floor no.	Person	Subject
8	P	polity
7	H	environmen t
6	Y	english
5	F	maths
4	T	geography
3	D	physics
2	J	Chemistry
1	B	history

91. (1)

92. (4)

93. (2)

94. (5)

95. (2)

96. (3) 665

97. (1) $656, (5+6+6)= 17$

98. (5) $(4 \times 7) = 28$

99. (2) 897 438 665 247 893

100. (4)

