

## SBI Clerk Preliminary Grand Test –SCP-220809

### HINTS & SOLUTIONS

#### ANSWER KEY

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

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1. (2) All the answers indicate peaceful coexistence. However, according to the fifth sentence of paragraph 3, in the instance, the state is referred to as self-tolerance.
2. (3) See the last paragraph. The substances known as allergens are responsible for triggering an inappropriate immune response to ragweed pollen.
3. (4) The last paragraph of the passage mentions that an antigen announces its foreignness with intricate shapes called epitomes that protrude from the surface.
4. (1) Every individual's immune system must learn to recognize and deal with non-self molecules through experience. However, the last section of paragraph 3 mentions that the immune system is capable of choices 2, 3, and 4.
5. (2) According to paragraph 3, the ability to distinguish between self and non-self is the heart of the immune system. This topic is set up in the second paragraph and further elucidated throughout the body of the passage.
6. (2) The last paragraph mentions that tissues or cells form another individual may act as anti-gens except in the case of identical twins whose cells carry identical self-markers.
7. (1) The context leads to the meaning: The first sentence speaks of complexity. From which we can infer an elaborate system of interconnections especially in light of the second sentence. There is no mention of confusion in the passage (choice 2.) The word perplexity means bewilderment and is unrelated to the passage (choice 3). Choice 4 is a newspaper and TV term that is unrelated to the passage.
8. (3) In the second paragraph, the communication network of the millions of cells in the immune system is compared to bees swarming around a hive.
9. (1) **Intruders** - a person who intrudes, especially into a building with criminal intent. **Trespasser** - a person entering someone's land or property without permission.
10. (5) **Intricate** - very complicated or detailed. **Simple** - easily understood or done; presenting no difficulty.
11. (5) **Strenuous** means requiring or using great effort or exertion. Hence 'strenuous' and 'light' are opposite in meanings.
12. (4) **Slack** means not taut or held tightly in position; loose.
12. (4) **Concord** means agreement or harmony between people or groups. Hence 'harmony' and 'concord' are similar in meanings.
13. (4) **Enthralling** means capturing and holding one's attention; fascinating. Hence 'enthraling' and 'alluring' are similar in meanings.
14. (4) **Perturb** means make (someone) anxious or unsettled. Hence 'perturb' and 'boil' are similar in meanings.
15. (5) **Indecorous** means not in keeping with good taste and propriety; improper. Hence 'elegant' and 'indecorous' are opposite in meanings.
16. (3) 17. (1) 18. (2)
19. (2) 'what we can do' fits the sentence appropriately as it conveys the proper meaning of the sentence.
20. (5)
21. (5) Since the paragraph is talking about the (positive) performance of India. Hence 'growth' a positive (in sense) noun should be used with it.
22. (3) Superlative degree is used after the definite article, hence (c) is the correct option.
23. (3) 'thus' is the correct option. Here, 'thus' is used to mean 'this way'.
24. (2) 'would reveal' in the sentence makes it clear that the first verb with 'while many' must be in the past tense.
25. (4) the usage of the word 'rather' after the blank suggests that the correct option should be in contrast to the word 'strength' hence 'weakness' is the correct option.
26. (2) 'would have' will take a verb in past participle form. Hence, 'plan' can't be used. Also, 'dreamed' takes preposition 'of'. Hence 'dreamed' is the correct option.
27. (2) 'To take place' means to happen or to occur.
28. (5) Here, a verb in past participle form is required. Hence, 'thought' is the only option.
29. (5) Out of the given option only 'proud' takes preposition 'of', hence, (5) is the correct option.
30. (3) Out of the given options, only 'challenge' goes with the meaning of the sentence. Hence, (5) is the correct option

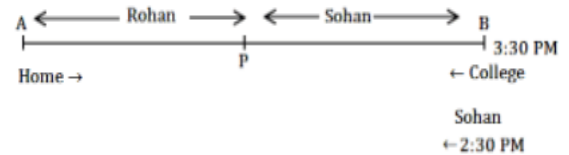
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31. (3)  $x = 9, 3$   
 $y = -12, 7$   
 $\therefore$  No relation can be established
32. (1)  $x = +10, -6$   
 $y = 15, 11$   
 $\therefore x < y$
33. (5)  $x = \pm 68$   
 $y = 68$   
 $\therefore x \leq y$
34. (3)  $x = 1.25, \frac{7}{8}$   
 $y = 1, \frac{-5}{8}$   
 $\therefore$  No relation can be established
35. (3)  $x = \frac{2}{3}, \frac{7}{3}$   
 $y = 5, \frac{2}{3}$   
 $\therefore$  No relationship can be established
36. (1) Total earning =  $4 \left( \frac{3}{2} \times 600 \right) + 8 \times 600$   
 $= 3600 + 4800$   
 $= 8400$  Rs.  
 Total saving =  $4 \times \frac{5}{4} \times 400 + 8 \times 400$   
 $= 2000 + 3200$   
 $= 5200$  Rs.  
 $\therefore$  Total expenditure =  $8400 - 5200$   
 $= 3200$   
 $\therefore$  Required average expenditure =  $\frac{3200}{12}$   
 $= 266.66$  rupees per month
37. (2) Total runs after 49<sup>th</sup> inning =  $48 \times 48 + 97$   
 $= 2401$   
 $2 + \frac{2401}{49} = \frac{2401+x}{50}$   
 $51 \times 50 = 2401 + x$   
 $2550 = 2401 + x$   
 $x = 149$
38. (2) Total C.P. of 3 Discover and 4 Pulsar =  $67500 + 232500$   
 $= 300000$  rupees  
 $\therefore$  Required S.P. =  $\frac{117.5}{100} \times 300000$   
 $= 352500$  rupees
39. (3) Ratio =  $140 : 60 = 7 : 3$   
 Quantity to be exchanged =  $\frac{140 \times 3 + 60 \times 7}{2(7+3)}$   
 $= \frac{420}{20} \times 2$   
 $= 42$  litre.
40. (3) Given radius =  $1$  cm  
 $\therefore$  Required perimeter  
 $= 2 \times \pi \times 1 + 2\pi + 2\pi + 2\pi(2)$   
 $= 6\pi + 4\pi$   
 $= 10\pi$
41. (2) no. of girls in Q =  $2000$   
 No of boys in T =  $1250 - 625 = 625$   
 Required percentage  
 $= \frac{(2000 - 625)}{625} = 220\%$
42. (1) Boys in P, R and T =  $1300 + 1150 + 625 = 3075$   
 Total students in P, R and T =  $5750$   
 Required percentage =  $53.48\%$
43. (2) required percentage  
 $= \frac{(7000 - 5150)}{7000} = 26.42\% \approx 26\%$
44. (4) required average =  $\frac{7000}{6} = 1167.$
45. (3) required ratio =  $\frac{7000 - 5150}{5150} = 37 : 103.$
46. (4) Difference between the rate of interest for the companies SBI Mutual fund and ICICI Direct for year 2007  
 $= (10 - 8)\% = 2\%$   
 Required difference amount =  $\frac{4.75 \times 2 \times 1}{100}$   
 $= 0.095$  lakh  
 $= 9500$  Rs.

47. (2) Required Ratio =  $\frac{8 \times 6.5 \times 1}{100} : \frac{9 \times 8 \times 1}{100}$   
 $= 13 : 18$
48. (4) Let required amount =  $x$   
 $\frac{x \times 7.5 \times 1}{100} + \frac{(30-x) \times 9 \times 1}{100} = 2.43$   
 $x = 18$  lakh
49. (3) S.I. got by company SBI Mutual fund in 2006  
 $= \frac{12 \times 8 \times 1}{100} = 0.96$  lakh  
 And amount =  $12 + 0.96$   
 $= 12.96$  lakh  
 Now for the year 2007, S.I. =  $\frac{12.96 \times 10 \times 1}{100}$   
 $= 1.296$  lakh  
 $\therefore$  Required amount =  $0.96 + 1.296$   
 $= 2.256$  lakh  
 $= 225600$  rs.
50. (2) S.I. got by ICICI Direct in 2004 =  $\frac{5 \times 6.5 \times 1}{100}$   
 $= 0.325$  lakh  
 $\therefore$  Amount =  $5.325$  lakh  
 This amount was invested by company SBI Mutual fund in 2005  
 $\therefore$  S.I. =  $\frac{5.325 \times 9 \times 1}{100}$   
 $= 0.47925$  lakh  
 $\therefore$  amount received by company SBI Mutual fund =  $(5.325 + 0.47925)$   
 $= 5.80425$  lakh  
 $= 580425$  Rs

51. (1)



Let P is a point where the Rohan and Sohan meets. They reached home 24 min earlier because Sohan left the college 1 hour earlier and meet Rohan on the way at P. They saved 24 min because they did not travel the distance PB and BP.

Time take by Rohan in travelling this distance =  $\frac{24}{2} = 12$  min.

It means Rohan meets Sohan at P on 3:18 pm.

Now, distance of PB =  $6 \times \frac{48}{60} = \frac{48}{10}$  km

This distance covers by Roahn in 12 min.

his speed =  $\frac{48}{10 \times 12} \times 60 = 24$  km/hr

52. (3)

Given — speed in still water =  $24$  kmph

speed of stream =  $4$  kmph

$$\frac{x}{20} - \frac{x+4}{28} = \frac{36}{60}$$

$$\frac{7x - 5x - 20}{140} = \frac{3}{5}$$

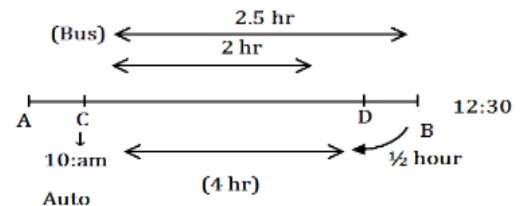
$$2x - 20 = 84$$

$$2x = 104$$

$$x = 52 \text{ km}$$

$\therefore$  Distance from A to B =  $56$  km

53. (1)



Let C is point where the auto and the bus meet first time and D is a point where the auto and the Bus meet 2nd time.

According to the above diagram:

Distance CD covered by Bus in 2 hour and auto covered the same distance in 4 hr.

Distance CB covered by Bus 2.5 hr

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And by Auto in double of Bus =  $2.5 \times 2 = 5$  hour  
 Time =  $10 + 5 = 3$  pm

54. (3) Workdone by B & C =  $3 \times [\frac{1}{9} + \frac{1}{12}]$ , remaining work =  $\frac{15}{36}$

Remaining time  $\frac{\frac{15}{36}}{\frac{1}{24}} = 10$  days

55. (4) Time taken in 4<sup>th</sup> case is minimum =  $\frac{1}{\frac{1}{4} + \frac{1}{5} - \frac{1}{10}} = 3\frac{7}{11}$  days

56-60. Neeraj scored in Chemistry → 68%  
 Gaurav scored in Chemistry → 42  
 ATQ,

Neeraj score in chemistry →  $\frac{42}{14} \times 17 = 51$

Maximum marks in Chemistry  
 $= \frac{51}{68} \times 100 = 75$

Maximum marks in English = 150

Neeraj marks in English

$= \frac{60 \times 150}{100} = 90$

Gaurav marks in English =  $90 + 15 = 105$

Marks in Biology of Neeraj and Gaurav is  $9 \times 4 = 36$  and  $10 \times 4 = 40$  respectively.

Marks in Physics Neeraj and Gaurav is 60 and 55 respectively.

Max. marks in Physics = 75

Max. marks in Maths = 100

Max. marks in Biology = 50

Marks of Gaurav and Neeraj in Maths = 96 and 85 respectively.

Subject with maximum marks	Score of gourav	Score of neeraj
Chemistry (75)	42	51
English (150)	105	90
Biology (50)	40	36
Physics (75)	55	60
Maths (100)	96	85

56. (2) required ratio =  $\frac{55}{150} = 11:30$

57. (3) required percentage =  $\frac{(105 - 40)}{40} \times 100 = 162.5\%$

58. (1) required percentage =  $\frac{338}{450} \times 100 = 75\frac{1}{9}\%$

59. (1) required difference =  $42 - 36 = 6$  marks

60. (2) required average =  $\frac{51 + 90 + 36 + 60 + 85}{5} = 64.4$

61. (3)  $? = (65)^2 \times 3.2558 = 4225 \times 3.2558 = 13755.175 \approx 13760$ .

62. (3)  $? = (8344 - 7128 - 509) \div (906 - 601 - 65)$   
 $= \frac{707}{240} = 2.94 \approx 3$ .

63. (1)  $? = \frac{13541 \times 173}{100} = 23425.93 \approx 23400$ .

64. (3)  $? = (11.21)^3 = 1408.69 = 1409$ .

65. (2)  $\frac{14675}{?} = 58 \times 23 \Rightarrow ? = \frac{14675}{58 \times 23} = 11$ .

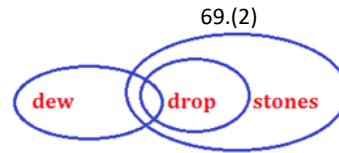


66. (1) 67. (4)

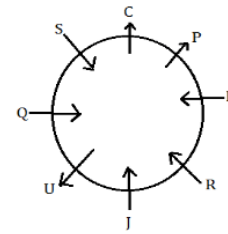


68. (5)

70. (5)



71-75.



71. (3)

72. (2)

73. (1)

74. (1)

75. (4)

76. (3)

From either statement I or II we can find that code of last is 'lo'.

77. (4)

From statement I, Gender of A cannot be determined. In Statement II information about B is not mentioned.

78. (5)

From both statements we can find that Karan drive 15km.

79. (3)

From either statement we can find that shilpa is facing east.

80. (2)

Only statement II is sufficient to answer the question.

81-85.

Ranks	Profession	Banks
3	Economist	N
5	IT Officer	R
1	Forex Officer	S
4	Terminal Operator	L
6	Clerk	Q
7	Research Analyst	P
2	Agriculture Officer	M

81. (2)

82. (3)

83. (1)

84. (4)

85. (5)

86-90.

Floor	Person
8	R
7	Q
6	Vacant floor
5	V
4	U
3	P
2	T
1	S

86. (1)

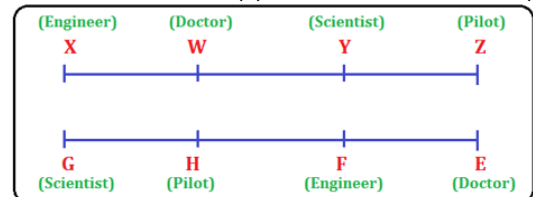
87. (3)

88. (3)

89. (1)

90. (5)

91-95.



91. (3)

92. (4)

93. (5)

94. (3)

95. (2)

96. (3)

- I.  $S > A > P$  (True)
- II.  $S > A > P > T$  (True)
- III.  $N \geq A > P > T$  (True)
- IV.  $S > A \leq N$  (False)

97. (1)

- I.  $E < M \leq S$  (True)
- II.  $B \leq E < M \leq S$  (False)
- III.  $M > S$  (False)
- IV.  $R < S \geq M$  (False)

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98. (3) I.  $G \geq M > P < R$ (False)  
II.  $Q \leq R > P < M$ (False)  
III.  $P < M \leq G$ (True)  
IV.  $M > P < R$ (False)

99-100.

word	code
do	kile
not	nate
go	miku
to	pila
what	nimu
reason	hibe/chine
man	chine/hibe

99. (2)

100. (5)