

SBI Clerk Preliminary Grand Test –SCP-180221

HINTS & SOLUTIONS

ANSWER KEY

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

HINTS & SOLUTIONS

- 1.(2) It is given in the third paragraph of the passage that World Bank president, Eugene Black, envisioned the agreement to be one that would treat the whole basin as a single unit and also that it has failed to reduce the scope of engagement between them
- 2.(5) All the options that are given is mentioned in the passage hence all of these are the correct choice for the question.
- 3.(4) The answer is given in the second paragraph of the passage, "Thus, the mandate of the inter-ministerial panel to find ways to exploit more water within the treaty is nothing but to deceive public opinion in India." This is the reason behind Modi's plans to set up an inter-ministerial task force to go into the details and working of the treaty. Hence, option (d) is correct.
- 4.(3) The 5th paragraph of the passage says, "Politics in both India and Pakistan has impeded the implementation of several critical water development projects in the basin." This could be one of the reasons according to the author behind the delay in various development projects. Hence, (3) is the correct option.
- 5.(2) The 2nd last paragraph of the passage says, "For appropriate and competent management of Indus systems, it is necessary to explore establishing an effective and independent river basin organisation, involving all the four riparian states, which will have the capability of taking decisions on its own". Thus, (2) is the right choice.
- 6.(3) Thwart means prevent (someone) from accomplishing something hence succour is the word most opposite in meaning.
- 7.(3) Envision means to imagine as a future possibility; visualize hence disdain is the word most opposite in meaning.
- 8.(2) Harness means to control and make use of (natural resources), especially to produce energy hence stale is the word most opposite in meaning.
- 9.(5) Ruffled means to disorder or disarrange (someone's hair), typically by running one's hands through it hence fluster is the word most similar in meaning.
- 10.(1) Scope means the extent of the area or subject matter that something deals with or to which it is relevant hence purview is the word most similar in meaning.
- 11.(5) Only 'depending' and 'relying' will suit the first blank of (c) and (e), (c) has to be left out as the meaning of 'reserve' does not apply in the context of the sentence.
- 12.(3) Only (1) and (3) will suit the first blank. But 'churning out fresh graduates' does not make sense, as the graduates who emerge from universities every year are, needless to say, fresh graduates only.
- 13.(2) 'Resulted' (1) has to be followed by 'in'. 'Angered an outcry' and 'activated an outcry' are not correct usage. We can say 'incited', meaning 'cause to rise', but then 'determined' does not suit the second blank.
- 14.(4) We cannot say, 'Execution has been taken' and 'lawsuit has been taken'. So (c) and (e) are out. We can say 'Note has been taken of 'but not 'against' a thing. 'Steps' (meaning, 'measures') can suit the first blank but not 'step'. So only 'action' fully suits the first blank. In this question, there is no need to study the options for the second blank once it is certain that only 'action' will apply in the first blank. This saves time during the exam.
- 15.(1) Most of the given options can suit the first blank. Note, however, that 'counter' (5) and 'inhibit' (2) do not suit in the context of the meaning conveyed by the sentence. 'Measure' and 'inflict' are not suitable either. Only 'meet' will be correct in the second blank.
- 16-20. The correct sequence is CGDEBAF.
- 16.(1) 17.(4)
- 18.(4) 19.(5) 20.(2)
- 21.(2) When a comparison is being made, a comparative and not superlative form of the word should be used. It should be 'older' and not 'oldest'.
- 22.(1) 'Present' should replace 'presently'. At present - at this time, or occurring now
- 23.(4) instead of 'his person dealings' use 'his personal dealings'
- 24.(5) No error.
- 25.(3) It should be 'enhance' in place of 'enhancing'.
- 26.(5) 27.(1)
- 28.(5) 29.(2) 30.(1)
- 31.(4) Series is $\times 1.5, \times 2, \times 2.5, \times 3, \times 3.5, \times 4$
So, $? = 675 \times 3.5 = 2362.5$
- 32.(1) Series is $+50, +40, +30, +20, +10$
So, $? = 132 + 20 = 152$

33. (3) Series is $\times 1+1, \times 2 \times 2, \times 3+3, \times 4+4, \times 5+5$
So $? = 6 \times 3 + 3 = 21$.

34. (2) Series is $\times \frac{2}{5}, \times \frac{2}{5}, \times \frac{2}{5}, \times \frac{2}{5}, \times \frac{2}{5}$
So, $? = 204.8 \times \frac{2}{5} = 81.92$

35. (5) Series is $-19, -38, -57, -76, -95$
So, $? = 317 - 57 = 260$

36. (5) Let the two digits be x & y with x on tens place.
ATQ, $10x + y - (10y + x) = 54$
or, $9x - 9y = 54$ or $x - y = 6$
and, $x + y = 12$
 $\therefore x = 9$ and $y = 3$
So number is 93

37. (3) A can fill alone in $= \frac{20 \times (5 + 4)}{5} = \frac{180}{5} = 36$ hours
B can fill alone in $= \frac{20 \times (5 + 4)}{4} = \frac{180}{4} = 45$ hours
According to question
 $\frac{4}{20} + \frac{9}{36} + \frac{9}{C} = 1$
 $\frac{9}{C} = \frac{11}{20}$
 $C = \frac{180}{11}$ hour

38. (5) Let present age of Nita = x
So present age of Sunita = $3x$
4 years hence
 $2(3x + 4) = 3(x + 4)$
 $6x + 8 = 3x + 12$
 $3x = 4 \quad x = \frac{4}{3}$

Present age of Sunita = $\frac{4}{3} \times 3 = 4$ years.

39. (2) Let total income be x .
After spend 20% on house rent the amount left = $\frac{80x}{100}$
70% of rest on household expenditure
According to question
 $\frac{80}{100} \times x \times \frac{30}{100} = 3600$
 $x = \frac{3600}{80 \times 30} \times 10000 = \text{Rs. } 15000$

40. (4) Required number of ways = $\frac{7!}{2!}$ (\because N is repeated twice)
 $= 2520$

41. (1) Required profit = $(500 + 400 + 550) - (350 + 450 + 450)$
 $= 1450 - 1250$
 $= \text{Rs } 200$ crores

42. (5) Required average
 $= \frac{150 + 150 + 100}{3} = \text{Rs } 133\frac{1}{3}$ crores

43. (2) From the graph, the required ratio will be maximum in year 2012.

44. (3) Required percentage
 $= \frac{150 - 100}{100} \times 100 = 50\%$

45. (2) Total income = Rs. 1250 crores
Total expenditure = Rs. 1200 crores
 \therefore Required percentage = $\frac{50}{1200} \times 100 = 4\frac{1}{6}\%$

46. (2) Required difference
 $= \frac{1}{2} [(15 + 22)\% - (21 + 11)\%] 7200$
 $= \frac{1}{2} [5\%] 7200 = 180$

47. (5) Total enrolled students in singing and painting in 2017
 $= \left(\frac{4}{3} \times 18\% + \frac{6}{5} \times 15\%\right) 7200 = 42 \times 72 = 3024$

48. (1) Required ratio
 $= (21\% + 13\%) : 160\%(22\% + 15\%)$
 $= 5 \times 34 : 8 \times 37 = 170 : 296$
 $= 85 : 148$

49. (3) Required average
 $= \frac{1}{3} (18 + 21 + 15)\% \times 7200$
 $= 18 \times 72 = 1296$

50. (5) Total enrolled students in Painting and Singing in 2017
 $= \frac{4}{3} \times (15\% + 18\%) \times 7200 = 3168$
Let total enrolled girls in 2017 from Painting & Singing = x
So,
 $3168 = \left(x + \frac{6}{5}x\right) = \frac{3168 \times 5}{11} = 1440$

51. (3) According to question
 $\frac{4}{5} \times 80 - \frac{4}{5}x = \frac{1}{5} \times 80 - \frac{1}{5}x + x$
 $64 - \frac{4}{5}x = 16 - \frac{1}{5}x + x$
 $48 = \frac{4}{5}x - \frac{1}{5}x + x$
 $48 = \frac{3x}{5} + x$
 $x = 30\ell$

Or
 $\frac{4}{5} \times 80 - \frac{4}{5}x = 40$
(because final concentration is 50%)
 $x = 30\ell$

52. (5) Total time in 10 hours's 30 min.
So A will travel for 5 hours 30 min.
& B will travel for 5 hours.
So,

$x = 40 \times \frac{11}{2} + 30 \times 5 =$
 $220 \text{ km} + 150 \text{ km} = 370 \text{ km.}$

Let CP = x
So,

$24 = \frac{x}{100} \times x + x$
 $x^2 + 100x - 2400 = 0$
 $x^2 + 120x - 20x - 2400 = 0$
 $x(x + 120) - 20(x + 120) = 0$
 $x = 20$

Best way is to through options after farming equation.

53. (2) Let list price = 12
So selling price = $\frac{(100 - 9)}{100} \times 12 = 10.92$
Let cost price equals = x
So, $\frac{(100 + 20)}{100} x = 12 \quad x = 10$

54. (3) % profit = $\frac{0.92}{10} \times 100 = 9.2\%$

55. (1) $\begin{array}{ccc} 25 & & 30 \\ & \searrow & / \\ & 28 & \\ & / & \searrow \\ x & & y \end{array}$
 $\frac{x}{y} = \frac{(30 - 28)}{28 - 25} = 2 : 3$

56. (3) I. $5x^2 - 34x + 45 = 0$
or, $5x^2 - 25x - 9x + 45 = 0$
or, $5x(x - 5) - 9(x - 5) = 0$
or, $(x - 5)(5x - 9) = 0$
 $\therefore x = 5, \frac{9}{5}$

II. $4y^2 - 19y + 21 = 0$
or, $4y^2 - 12y - 7y + 21 = 0$
or, $4y(y - 3) - 7(y - 3) = 0$
or, $(y - 3)(4y - 7) = 0$
 $\therefore y = 3, \frac{7}{4}$

Hence no relation can be established.

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57. (3) I. $15x^2 - 20x + 9x - 12 = 0$
 $5x(3x - 4) + 3(3x - 4) = 0$
 $x = \frac{-3}{5}, \frac{4}{3}$
 II. $20y^2 - 25y - 24y + 30 = 0$
 $5y(4y - 5) - 6(4y - 5) = 0$
 $y = \frac{6}{5}, \frac{5}{4}$
 No relation can be established

58. (2) I. $2x^2 - 7x - 8x + 28 = 0$
 $x(2x - 7) - 4(2x - 7) = 0$
 $x = 4, \frac{7}{2}$
 II. $2y^2 - 8y - 9y + 36 = 0$
 $2y(y - 4) - 9(y - 4) = 0$
 $y = 4, \frac{9}{2}$
 $x \leq y$

59. (1) I. $12x^2 - 17x + 6 = 0$
 $12x^2 - 9x - 8x + 6 = 0$
 $3x(4x - 3) - 2(4x - 3) = 0$
 $x = \frac{2}{3}, \frac{3}{4}$
 II. $y^2 - 16y + 63 = 0$
 $y^2 - 7y - 9y + 63 = 0$
 $y(y - 7) - 9(y - 7) = 0$
 $(y - 9)(y - 7) = 0$
 $y = 9, 7$

60. (1) $x < y$
 $2x^2 - 12x - 9x + 54 = 0$
 $2x(x - 6) - 9(x - 6) = 0$
 $x = 6, \frac{9}{2}$
 $y^2 - 7y - 7y + 49 = 0$
 $y(y - 7) - 7(y - 7) = 0$
 $y = 7, 7$
 $x < y$

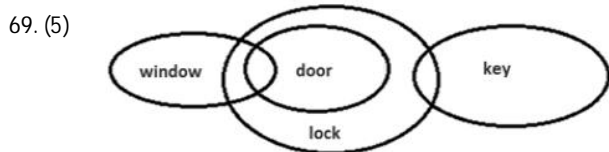
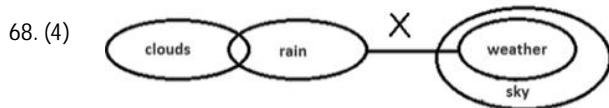
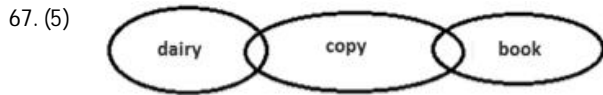
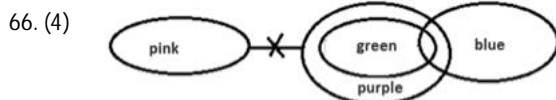
61. (1) $\approx \frac{67 \times 800}{100} - 229.89 + \frac{23 \times 800}{100}$
 $= 536 - 230 + 184$
 $= 490$

62. (4) $\approx 127 \times 8 + 6 \times 4$
 $= 1016 + 24$
 $= 1040$

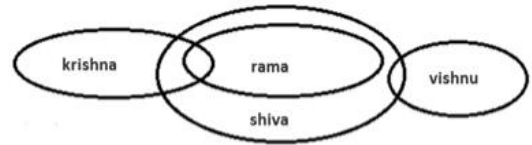
63. (2) $\approx \left(\frac{21.6 \times 1000}{100}\right)^{\frac{1}{3}} + \left(\frac{42 \times 600}{100}\right)^{\frac{1}{2}}$
 $= 6 + 16$
 $= 22$

64. (3) $\approx \frac{58 \times 45 \times 10}{29} = 900$

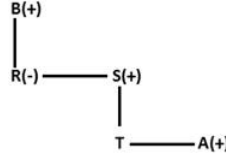
65. (5) $\frac{39 \times 15 - 28 \times 10}{5} = 36 + ?$
 $\Rightarrow 61 = 36 + ?$
 $\therefore ? = 25$



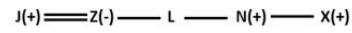
70. (2)



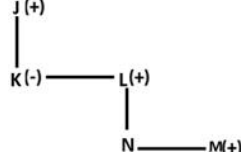
71. (3)



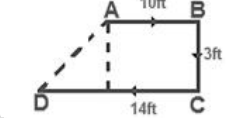
72. (2)



73. (1)



74. (2)

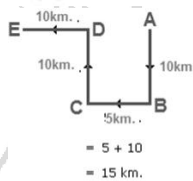


Required distance = AD

$= \sqrt{3^2 + (14 - 10)^2}$

$= \sqrt{9 + 16}$

$= 5 \text{ ft}$



75. (2)

76-80.

Step-1:- U is going for class on even date in April. There are three persons going for a class between U and P who is going in a month which has 31 days. Neither V nor Q going in the month which has 30 days.

Months	12 th	27 th
January	P	
March		
April	U	VQ
May		
June	VQ	VQ

Step-2:- Three persons are going between Q and V. and Q going for class before V. There must be two possible cases.

Case-1

Months	12 th	27 th
January	P	
March	Q	
April	U	VQ
May	V	
June	VQ	VQ

Case-2

Months	12 th	27 th
January	P	
March		Q
April	U	VQ
May	V	
June	VQ	VQ

Step-3:- There are two persons between Y and X who is going in the month of 30 days. But Y and Q does not going in the same month. Y is going before X.

Case-1

Months	12 th	27 th
January	P	
March	Q	
April	U	Y
May	V	
June	X	

Case-2 There are two possible cases in this case which are shown below:

Case-2 (I)

Months	12 th	27 th
January	P	
March		Q
April	U	
May	Y	V
June		X

Case-2 (II)

Months	12 th	27 th
January	P	
March		Q
April	U	Y
May		V
June	X	

Step-4:- Both W and T are going in the moth of 30 days and there is two persons going between T and W who is not going in the same month as Q. T is not going on even date. S goes before R. From this statement case-1 and case-2 (II) has been eliminated.

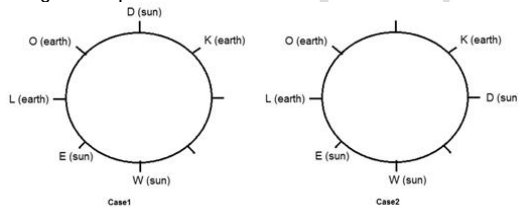
Months	12 th	27 th
January	P	S
March	R	Q
April	U	T
May	Y	V
June	W	X

- 76. (2)
- 78. (5)
- 81.85.

- 77. (3)
- 79. (1)

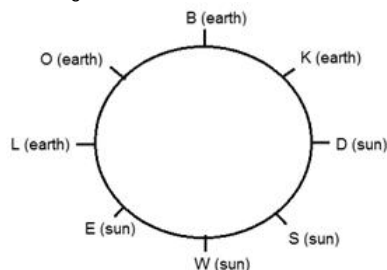
- 80. (5)

Step1. As per data given in the question, W, a sun worshipper is sitting second to right of L, who is an earth worshipper. E faces K, who is second to left of O, who is an earth worshipper. K, who is an earth worshipper, is sitting adjacent to D, who is a sun worshipper. B is an earth worshipper and is not sitting exactly between L and W. O is immediate left of L. Since four earth worshippers are already identified, it means E is a sun worshipper. We get two possibilities.



Step2. As it is also given in the statement that D is sitting to the immediate right of S, it means Case1 will be eliminated as in case1; D is sitting to the immediate right of K.

So, we get our final solution as,



- 81. (4)
- 83. (2)

- 82. (3)
- 84. (4)

- 85. (4)

- 86. (3) **Statements:**
A > N ≤ S > W ≤ R
Conclusions:
I. R ≥ A (False)
II. S > R (False)
III. S > A (False)
IV. W ≤ A (False)

- 87. (1) **Statements:**
D < E ≤ T = C < A
Conclusions:
I. D < A (True)
II. C ≤ D (False)
III. A > E (True)
IV. T < A (True)

- 88. (4) **Statements:**
O ≥ B = S < E ≤ R
Conclusions:
I. S ≤ O (True)
II. R > S (True)
III. B < R (True)
IV. B < E (True)

- 89. (2) **Statements:**
D ≤ S > P ≥ I, P = T
Conclusions:
I. P < D (False)
II. P ≥ T (False)
III. T < S (True)
IV. I ≤ D (False)

- 90. (5) **Statements:**
U = N ≥ F ≥ A > R
Conclusions:
I. A = U (False)
II. N > R (True)
III. R = U (False)
IV. U > A (False)

91-95. Step1. As per data given in the question, The president of P is standing at the leftmost end of the line. The person who is standing second from the right end is wearing a suit. The president of P is standing adjacent to C. C wears a sherwani. D is standing to the right of B.

We get,

Names		C		
Countries	P			
Dress		Sherwani	Suit	

Step2. As per data given in the question, The president of S is wearing sherwani. The president of R wears a kurta. B is the president of Q. So, the only possible position left for B is to the immediate right of C.

We get our final solution as,

Names	A	C	B	D
Countries	P	S	Q	R
Dress	Tuxedo	Sherwani	Suit	Kurta

- 91. (3)
- 93. (5)
- 96-100. Movie - ja
Ticket - sa
Popcorn/Burger - la/ta
Cinema - da
Screen/Interval - pa/ra
Pepsi - fa
- 92. (4)
- 94. (1)
- 95. (3)
- 96. (1)
- 97. (2)
- 98. (3)
- 99. (4)
- 100. (5)