Grand Test - SPP-180418



SBI PO Preliminary Grand Test - SPP-180418 **HINTS & SOLUTIONS**

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

HINTS & SOLUTIONS

1.(3)	Passing (Adjective) = momentary; brief; lasting for a short time.				
	Permanent (Adjective) = lasting for a long time. Look at the sentences :				
	He makes only a passing reference to the theory in his book. The accident has not done any permanent damage.				
2. (1)					
3.(2)	Spurt (Noun) = a sudden increase in speed, effort, activity or emotion for a short period of time.				
	Drop (Noun) = decrease; reduction.				
	Look at the sentence :				
	Babies get very hungry during growth spurts.				
	During recession many companies faced sharp drop in profits.				
4.(5)	Fuel (Verb) = to increase something; to encourage; to				
	make something stronger; stimulate.				
	Look at the sentence :				
	Higher salaries helped to fuel inflation.				
5. (5)	6. (5)				
7. (4)	8. (4) 9. (2)				
10.(4)	Concede (Verb) = to admit that something is true.				
	Look at the sentence :				
	He was forced to concede that there might be difficulties.				

11. (1)	(A)	12. (2)	(B)
13. (1)	(F)	14. (3)	(C)

(F) (E)

- 15. (2) 16. (2) Here, subject (profitability of fleet operators) is singular. Hence, has improved due to a decline should be used.
- 17. (4) Here, subject (true history) is singular. Hence, true history interests us a lot should be used.
- Here, cooperation, restricting (Gerund) itself to should 18. (3) be used. It is not proper to use 'for' here.
- 19. (2) Here, it is Preposition/Adverb related error. Hence, absolutely (Adverb) no shortage of should be used.

20. (4) Raise = to increase the level or amount of something. Rise = to reach a higher level ; move upwards. Hence, rising vegetable prices kept (V₂).... should be used here. Past time is evident.

- 21. (2) than 22. (4)
- is 23. (3) between 24. (5) frequency
- 25.(1) degradation 26. (2) by
- 27.(3) misfortunes 28. (5) like endure
- 30. (1) 29. (4) According
- $4 \times 1 + 2 = 4 + 2 = 6$ 31. (3)
 - $6 \times 2 + 3 = 12 + 3 = 15 \neq 18$
 - $15 \times 3 + 4 = 45 + 4 = 49$
 - 49 × 4 + 5 = 196 + 5 = 201 201 × 5 + 6 = 1005 + 6 = 1011
- 32. (5) $48 \times \frac{3}{2} = 72$; $72 \times \frac{3}{2} = 108$

$$2 2 2 108 \times \frac{3}{2} = 162; 162 \times \frac{3}{2} = 243 243 \times \frac{3}{2} = 364.5 \neq \boxed{366}$$

33. (1) $2 \times 6 + 7 \times 6 = 12 + 42 = 54$ $54 \times 5 + 6 \times 5 = 270 + 30 = 300$ $300 \times 4 + 5 \times 4 = 1200 + 20 = 1220$ $1220 \times 3 + 4 \times 3 = 3660 + 12 = 3672 \neq 3674$ 3672 × 2 + 3 × 2 = 7344 + 6 = 7350

34. (2)
$$2^3 = 8: 3^3 = 27$$

 $4^3 = 64: 5^3 = 125$
 $6^3 = 216 \neq 218$
 $7^3 = 242$

$$7^{2} = 343$$

35. (4) $19 + 7^{2} = 19$
 $68 + 6^{2} = 68$

$$8 + 6^{2} = 68 + 36 = 104 \neq 102$$

+ 49 = 68

$$104 + 5^2 = 104 + 25 = 129$$

- $129 + 4^2 = 129 + 16 = 145$
- $145 + 3^2 = 145 + 9 = 154$
- Total number of students studying B.Sc. in all the colleges 36. (4) together = 350 + 325 + 300 + 375 + 425 = 1775

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48. (1) Amount invested in scheme B = Rs. x (let)
∴ Amount invested in scheme A = Rs. (16000 - x)
According to the question,
P₁
$$\left[\left(1 + \frac{R_1}{100} \right)^x - 1 \right] + \frac{P_1R_2T}{100} = 3504$$

 $\Rightarrow (16000 - x) \left[\left(11 + \frac{10}{100} \right)^2 - 1 \right] + \frac{x \times 12 \times 2}{100} = 3504$
 $\Rightarrow (16000 - x) \times \left[\frac{121}{100} - 1 \right] + \frac{24x}{100} = 3504$
 $\Rightarrow (16000 - x) \times \frac{121}{100} + \frac{24x}{100} = 3504$
 $\Rightarrow (16000 - x) \times \frac{21}{100} + \frac{24x}{100} = 3504$
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 $\Rightarrow 9x + 36 = 8x + 64$
 $\Rightarrow 9x - 8x = 64 - 36$
 $\Rightarrow x = 28$
 \therefore Ravi's age 15 years ago = x + 4 + 15 = x - 11
 $= 28 + 11 = 17$ years
50. (5) Ratio of the equivalent capitals of A, B and C for 1 month = (33600 \times 12) : (23100 \times 9) : (18900 \times 6) = (365 \times 12) : (231 \times 9) : (1890 \times 6) = 448 : 231 : 126
Sum of ratios = 448 + 231 + 126 = 805
 \therefore C's share $= \frac{126}{805} \times 26450 = Rs.4140$
51. (5) Required percentage
 $= \frac{4900}{5640} \times 100 = 87\%$
52. (2) Number of children in the localities H and I
 $= \frac{5200 \times 13}{100} + \frac{6020 \times 10}{100}$
 $= 672 + 602 = 1278$
53. (4) Number of men and children in locality I
 $= \frac{6020 \times 65}{100} + \frac{6020 \times 10}{100}$
 $= \frac{6020 \times 75}{100} = 4915$
55. (1) Required ratio
 $= \frac{5640 \times 55}{100} = \frac{5200 \times 48}{100}$
 $= 517 : 416$

I RACE

48.

49.

50.

52.

53.

54.

55.

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56. (3) In x litres of mixture,

$$Mik = \frac{5}{3}$$
 litres

$$Mik = \frac{4x}{13}$$
 litres
From statement 1,

$$In60\%$$
 mixture,

$$= \frac{4x}{13}$$
 litres

$$Mik = \left(\frac{3}{5} + \frac{5}{13}\right)$$
 litres

$$= \frac{27}{65}$$
 litres
Water $= \frac{3}{5} + \frac{42}{5} + \frac{12}{13}$ litres

$$= \frac{27}{65}$$
 litres
Water $= \frac{3}{5} + \frac{42}{5} + \frac{12}{13}$ litres

$$= \frac{12x}{5} + 6 = \frac{40}{100} = \frac{2}{5}$$

$$\Rightarrow \frac{12x}{13} + 30 = \frac{6x}{5} + 12$$

$$\Rightarrow \frac{12x}{5} + 6 = \frac{40}{100} = \frac{2}{5}$$

$$\Rightarrow \frac{12x}{13} + 30 = \frac{6x}{5} + 12$$

$$\Rightarrow \frac{78x}{66} - 18$$

$$\Rightarrow \frac{12x}{18} + 86 + 65$$

$$\Rightarrow x = \frac{18x 65}{66} - 56$$

$$\Rightarrow x = \frac{18x 65}{66} - 56$$

$$\Rightarrow x = \frac{18x 65}{66} - 56$$

$$\Rightarrow x = \frac{18x 65}{128} = 656$$
 litres
From statement 1,
Remaining mixture

$$= \frac{4x}{x} + \frac{4}{5} - \frac{15x}{23}$$
 litres

$$\Rightarrow x = \frac{18x 65}{66} - 518$$

$$\Rightarrow x = \frac{18x 65}{66} - 56$$

$$\Rightarrow x = \frac{18x 65}{66} - 56$$

$$\Rightarrow x = \frac{18x 65}{128} = 656$$
 litres
From statement 1,
Remaining mixture

$$= \frac{4x}{x} + \frac{4}{5} - \frac{15x}{23}$$
 litres

$$\Rightarrow x = \frac{18x 65}{66} - 518$$

$$\Rightarrow x = \frac{18x 65}{18} - 656$$
 litres
From statement 1,
Remaining mixture

$$= \frac{4x}{13} + \frac{4}{5} - \frac{15x}{23}$$
 litres

$$\Rightarrow x = \frac{18x 65}{18} - 656$$
 litres
From statement 1,
Remaining mixture

$$= \frac{4x}{18} \times \frac{4}{5} - \frac{15x}{23}$$
 litres

$$\Rightarrow x = \frac{28x \times 23 \times 13}{16x^{5}} = 650$$
 litres

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 litres

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 litres

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 litres

$$\Rightarrow x = \frac{26x \times 23}{16x^{5}} = 2120$$
 litres

$$\Rightarrow x = \frac{26x \times 23}{16x^{5}} = \frac{3}{20}$$
 litres

$$\Rightarrow x = \frac{28x \times 23 \times 13}{100} = \frac{27}{20} + \frac{3}{20} + \frac{3}{100}$$
 litres

$$\Rightarrow x = \frac{28x \times 23 \times 13}{100} = \frac{27}{20} + \frac{3}{20} + \frac{3}{100}$$
 litres

$$\Rightarrow x = \frac{28x \times 23 \times 13}{100} = \frac{27}{20} + \frac{3}{20} + \frac{3}{10} + \frac{3}{20}$$
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Gran	d Test – SPP-180418		1 RACE
	Input : CHANT 18 SALTY 45 ABACUS WARDEN 30 91	86. (1)	Argument (C) is not strong. India should rely on its owr
	67KNIGHT Step I : 18 WARDEN CHANT SALTY 45 ABACUS 30 91 67		findings and conclusions. It is true that the level of water table should be maintained for future use. But it is equally
	KNIGHT		true that for food production proper irrigation is required.
	SALTY	87. (3)	Only Argument (B) is strong. The use of term 'only' in the
	Step III : 45 KNIGHT 18 WARDEN CHANT ABACUS 91 67 30 SALTY		Argument (A) makes in invalid. Argument (C) is based or an example. We know that citing example is bac
	Step IV : 45 KNIGHT 18 WARDEN ABACUS 91 30 SALTY 67	00 (I)	argumentation.
	Step V : 91 ABACUS 45 KNIGHT 18 WARDEN 30 SALTY 67	88. (4)	accommodation to vast population high rise buildings
71. (2)	Fourth element from the left in the second last step $\rightarrow WARDEN$	<u>90 (1)</u>	conditions. (A) (P) and (C) is implicit in the
	Fifth element from the right in the second last step	09. (1)	statement. If policy authority has cordoned off the entire
	\Rightarrow 91		locality, it implies that police will ably control the vehicular movement in the locality
	second last step.		Any advice is given assuming that people will follow it.
72. (3)	Two consecutive elements to the immediate right of $ V = 10$	90. (3)	Only Assumption (B) is implicit in the statement.
73.(1)	KNIGHT IN the last step \implies 18, WARDEN '18' is seventh from the left of 'SALTY' in the Step III.		decision assuming that Technical colleges will honour it.
74.(5)	Only 'CHANT appears exactly between 'WARDEN' and		Argument (C) does not explain how this decision will lead
75 (4)	'ABACUS' in the Step III.	91 (2)	to chaos. v130 km towards South-East
75. (4)	In Step IV, '91' is fourth to the left of 'CHANT'.	92. (1)	R < L
	In Step V, 'ABACUS' is fourth to the left of 'WARDEN.'	93. (2)	L>P
6-80.	Car Persons travelling in car	94. (3)	$S \ge R = T \ge N = M \ge Q$
	P F(-),D(-)	95. (1) 96.(1)	$^+$ J ÷ P \Rightarrow J is the son of P.
	Q B(+), E (+)	Y Y	P % H \Rightarrow P is the mother of H.
	E(+)		$H \times T \Rightarrow H$ is the sister of T.
			J is the brother of T.
	A(-)	97. (2)	Option (1),
	в(+)		$L \% R \Rightarrow L$ is the mother of R R \$ D \Rightarrow R is the wife of D
			$D + T \Rightarrow D$ is the father of T.
	C(-) D(-)	-al	$T \times M \Rightarrow T$ is the sister of M.
76. (3)	Five 77. (3) FE	アビ	The gender of M is not known.
78. (2)	Q 79. (3) Granddaughter		Option (2),
80. (4)	Data inadequate		$L + R \Rightarrow L$ is the father of R.
51-85.	Row - 2		$R \ D \implies R$ is the wife of D.
			$M \times T \Rightarrow M$ is the sister of T.
			It is clear that M is the daughter of D.
			Option (3),
	TY Y Z W XR		$L \% R \Rightarrow L$ is the mother of R.
			$R \gg D \implies R$ is the mother of D. D + T \implies D is the father of T
			$T \div M \Longrightarrow T$ is son of M.
	Row – 1		D is husband of M.
81. (1)	Y faces H.		Option (4),
82. (4)	F sits exactly in the middle of the row - 2. G sits to the		$D + L \Rightarrow D$ is the vife of R
83 (3)	Immediate left of F. Except W all others sit at ends of the lines		$R + M \Rightarrow R$ is the father of M.
84. (3)	I faces X. J sits third to the right of I.		$M \times T \Rightarrow M$ is the sister of T.
85. (2)	Z faces F. Z is an immediate neighbour of V.		M is the grand daughter of D.
	X is sitting at the extreme right end.		UPLION (5), $L \$ D \rightarrow L is the wife of D
	V sits second to the right of V. V faces J.		$D \div R \Rightarrow D$ is the son of R.
			$R \% M \rightarrow R$ is the mother of M

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Option (3),

 $X + L \Longrightarrow X$ is the father of L.

 $L \times T \Longrightarrow L$ is the sister of T.

 $T \times Y \Rightarrow T$ is the sister of Y.

 $Y \div W \Longrightarrow Y$ is the son of W. X is the father of L, T and Y.

W \$ X \Rightarrow W is the wife of X.

 $X + L \Rightarrow X$ is the father of L.

 $L + Y \Rightarrow L$ is the father of Y.

 $Y + T \Rightarrow Y$ is the father of T.

 $X + T \Longrightarrow X$ is the father of T.

 $T \times Y \Longrightarrow T$ is the sister of Y.

 $Y \div L \Longrightarrow Y$ is the son of L.

So, Y is the son of X and L.

 $T \times P \Rightarrow T$ is the sister of P.

 $P \ Q \Rightarrow P$ is the wife of Q.

So, T is the sister-in-law of Q.

W % X \Rightarrow W is the mother of X.

So, Y is the grandson of X.

Y is the son of X.

Option (4),

Option (5),

 $M \div T \Longrightarrow M$ is the son of T. M is the brother of D. 98. (2) $I + T \Rightarrow I$ is the father of T. T % J \Rightarrow T is the mother of J. $J \times L \Longrightarrow J$ is the sister of L. $L \div K \Longrightarrow L$ is the son of K. L is the son of K and hence Option (1) is incorrect. T is the wife of K. So, K is the son-in-law of I. I is the grandfather of L and hence Option (3) is incorrect. T is the mother of J and hence Option (4) is incorrect. J is the sister of L and hence Option (5) is incorrect. 99.(4) Option (1), W % L \Rightarrow W is the mother of L. $L \times T \Rightarrow L$ is the sister of T. $T \times Y \Rightarrow T$ is the sister of Y. $Y \div X \Longrightarrow Y$ is the son of X. Option (2), $W + L \Rightarrow W$ is the father of L. $L \times T \Rightarrow L$ is the sister of T. 100. (4) $R \% T \Rightarrow R$ is the mother of T. $T \times Y \Rightarrow T$ is the sister of Y. $Y + X \Longrightarrow Y$ is the son of X. NK OF BAN

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