Grand Test – SPP 170209



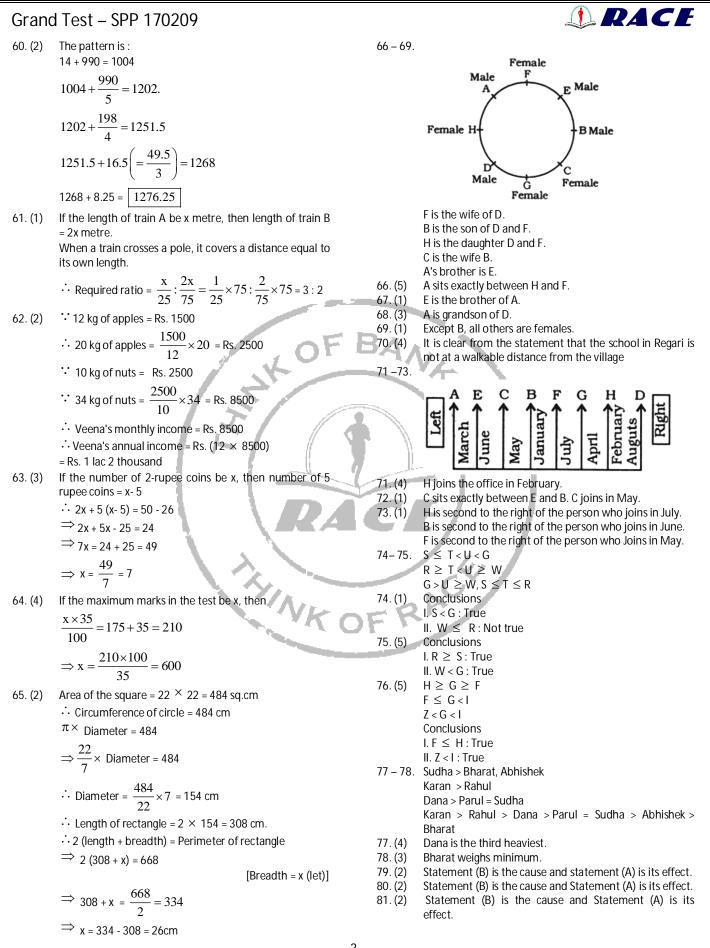
## SBI PO Preliminary Grand Test – SPP-170209 **HINTS & SOLUTIONS**

1. (2) which are an outgrowth of what they imagine 2. (2) does the most importance in this products importance in this products 3. (4) has always had a full measure of a trait 4. (3) with the performance that was expected of them 5. (7) to be bright, capable and making contribution to 6. (3) 7, (1) 1. (2) 11, (4) 1. (3) 7, (1) 1. (4) 7, (1) 1. (4) 7, (1) 1. (4) 7, (1) 1. (5) The sentence is in Part Trans. The use of had log-and replied maket evident. So, we can tuse ontained (yi), for- contain with we sploaded with most and (yi), 1. (2) In place of forbearance to, we should use forbearance towards Forbearance (Nour) means patient, self-control- there are apple. • Asam forests abounded with we should use forbearance were distributed with we should use forbearance to rearging. • Asam forests abounded with we should use forbearance will be replicated with most and (yi), 9. (4) Just tag is in hith gerefores in signal and with ego should with signal present tense. 20 (6) Neerror 21 (6) Notgetting mough financial assistance 22 (2) Alt(A) (8) and (5) 3. (3) L. $\sqrt{289x} = -\frac{25}{289}$ 1. $\sqrt{676y} = -10$ Squaring both sides, 2. (2) Lig $k^2 - 26x - 23x + 169 = 0$ $\Rightarrow 8k^2 - 20k - 23x + 169 = 0$ $\Rightarrow 8k^2 - 20k - 23x + 419 = 0$ $\Rightarrow 9k^2 - 20k - 23x + 411 + 221$ $\exists k, y^2 - 47k + 371 = 0$ $\exists k, y^2 - 42k = 0$ $y = \sqrt{-22k} + an imaginary number.$ $\therefore = kationsig control table. 3. (3) L. \sqrt{289x} = -10\exists k, y^2 - 47k + 371 = 0\exists k, y$				
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3. (a)has always had a full measure of a traitIII. 20 yr - 117y + 169 = 04. (a)with the performance that was expected of them $20 y^2 \cdot 52y \cdot 65y + 169 = 0$ 5. (a) $7 \cdot 0$ $20 y^2 \cdot 52y \cdot 65y + 169 = 0$ 6. (a) $2 \cdot y$ $11 \cdot 6y$ $20 y^2 \cdot 52y \cdot 65y + 169 = 0$ 6. (a) $2 \cdot y$ $11 \cdot 6y$ $20 y^2 \cdot 52y \cdot 65y + 169 = 0$ 7. (b) $11 \cdot 6y$ $21 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 6y$ $11 \cdot 6y$ $21 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 6y$ $11 \cdot 6y$ $21 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 6y$ $11 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 6y$ $11 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 6y$ $11 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 6y - 13 \cdot 13(5y - 13) = 0$ (c) $11 \cdot 10y - 10$ <td> (_)</td> <td></td> <td></td> <td>2 4</td>	(_)			2 4
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$\begin{array}{llllllllllllllllllllllllllllllllllll$				$\Rightarrow$ 20 y <sup>2</sup> - 52y - 65y + 169 = 0
$ \begin{aligned} 3(1) & (3) & (4) & (3) & (4) & (3) & (5) & (1) & (3) & (3) & (1) & (3) & (3) & (1) & (3) $				⇒ 4y (5y - 13)- 13(5y - 13) = 0
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16. (a) The sentence is in Past Tense. The use of had log1 and trepled maket it evident. So, we can't use containe (V) here. Contain will be replaced with contained (V2). 17. (2) In place of forbearance (Noun) means patient, soft-controlitor tolerance : show forbearance towards sopendow; exercise forbearance in dealing, $x = y$ 33. (1) $1 \cdot \frac{1 + y}{\sqrt{x}} = 11\sqrt{x}$ 31. (2) In place of abounding with we should use forbearance is in simple Present Tense. 18. (2) In place of abound with is a phrase that means contained, full of for example. • Assam forests abounded with wild animals. 19. (4) Just law is in third person singular number. So, interfere will be replaced with interferes. The sentence is in simple Present Tense. 20. (5) None or these 21. (5) None of these 22. (2) Alt (A) (B) and (C) 23. (3) L, $\sqrt{289x} = -\sqrt{25}$ (4) Gereased by 1% 27. (4) Public Investment in higher education has increased in india. 28. (2) halt 289x = 25 $\Rightarrow x = \frac{25}{289}$ 11. $\sqrt{576y} = -10$ Squaring both sides, 29. (2) Las $x^2$ , $78x + 169 = 0$ $\Rightarrow y^3 - \frac{(14)^2}{\sqrt{5}} \Rightarrow y^2 - \sqrt{y} = (14)^{\frac{2}{3}}$ $\Rightarrow y^2 - \frac{(14)^2}{\sqrt{y}} \Rightarrow y^2 - \sqrt{y} = (14)^{\frac{2}{3}}$ $\Rightarrow y^2 - \frac{(14)^2}{\sqrt{y}} \Rightarrow y^2 - \sqrt{y} = (14)^{\frac{2}{3}}$ $\Rightarrow y^2 - \frac{(14)^2}{\sqrt{y}} \Rightarrow y^2 - \sqrt{y} = (14)^{\frac{2}{3}}$ $\Rightarrow y^2 - \frac{(14)^2}{\sqrt{y}} \Rightarrow y^2 - \sqrt{y} = (14)^{\frac{2}{3}}$ $\Rightarrow y^2 - \frac{(14)^2}{\sqrt{y}} \Rightarrow y = 14$ Stationship cannot established. 29. (2) Las $x^2$ , $78x + 169 = 0$ $\Rightarrow y^2 - \sqrt{324} = An imaginary number.$ $\therefore$ Relationship cannot established. 36-40. Train -A 32. (2) Las $x^2$ , $78x + 169 = 0$ $\Rightarrow (2x + 13) (4x + 13) = 0$				<sup>3</sup> 4 5
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$676y = 100 \Rightarrow y = \frac{100}{676}$ $Clearly, x < y$ $32. (2)  I. 8  x^2 - 78x + 169 = 0$ $\Rightarrow 8  x^2 - 26x - 52x + 169 = 0$ $\Rightarrow 2x (4x - 13) - 13 (4x - 13) = 0$ $\Rightarrow (2x - 13) (4x - 13) = 0$ $x = 100$ $y = \sqrt{-324} = An \text{ imaginary number.}$ $Clearly, x < y$ $36 - 40.  Train - A$ $Total Passengers = 700$ $General Coaches = \frac{700}{5} = 140$ $AC Coaches = \frac{700}{4} = 175$		•		$\rightarrow u^2$ , 224, 0
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$\Rightarrow 2x (4x - 13) - 13 (4x - 13) = 0$ $\Rightarrow (2x - 13) (4x - 13) = 0$ AC Coaches = $\frac{700}{4} = 175$	32. (2)	$I.8 X^2 - 78x + 169 = 0$		-
$\Rightarrow 2x (4x - 13) - 13 (4x - 13) = 0$ $\Rightarrow (2x - 13) (4x - 13) = 0$ AC Coaches = $\frac{700}{4} = 175$		$\rightarrow 9 X^2$ 24x E2x 140 0		General Coaches = $\frac{700}{100}$ = 140
$\Rightarrow$ (2x - 13) (4x - 13) = 0 AC Coaches = $\frac{700}{4}$ = 175				5
·				700
·		$\implies (ZX - I3) (4X - I3) = 0$		AC Coaches = $\frac{100}{4}$ = 175
				4
		1		

## Grand Test – SPP 170209

🅼 RACE

Sleeper Class = 161 From statement L First Class = 224 y - x = 5.....(i) Train - B From statement II, Total Passengers = 910 y + x = 7.....(ii) AC Coaches = 480 - 175 = 305 From (i) and (ii), x, y can be calculated and two digit Sleeper Class = 273 number can be found. First Class = 91 50.(4) Let the distance between A and B be z km. Again, let speed of boat in still water be x kmph and that General Coaches = 241 Required ratio = 224: 273 = 32 : 39 36. (3) of stream be y kmph. Required answer = 140 + 305 = 44537.(4)  $\therefore$  Rate downstream = (x + y) kmph 38. (5) Required difference = 273 + 91- 175 = 189 Rate upstream = (x - y) kmph 39. (2) Required percentage From statement I,  $=\frac{140+241}{910}\times100=\frac{381}{910}\times100=42$  $\frac{z}{x+y} = 2$ .....(i) 40. (3) Required amount = 450  $\times$  224 = Rs. 100800 From statement II Required difference = 680 - 258 = 42241. (5)  $\frac{z}{x-y} = 4$ .....(ii) 42. (2) Required percentage increase  $=\frac{550-430}{430}\times100=28$ 51. (5)  $\Rightarrow 95^? = 95^{3.7} \div 95^{1.0}$  $\Rightarrow 95^{?} = 95^{3.7-1} = 95^{2.7}$ Required average 43. (2) ⇒?=2.7  $=\frac{160+708+550+586}{4}=\frac{2004}{4}=501$  $\sqrt{10000} + \frac{3}{5} \times 1892$ 52. (2) Number of flight cancelled by airlines-R due to technical 44. (1) fault in 2010 =  $\frac{880 \times 60}{100}$  = 528 = 100 + 1135.2 = 1235.2 = 1230  $? = \frac{0.0004}{0.0001} \times 36 = 4 \times 36 = 144 = 145$ 53. (3) 45. (5) Required percentage  $=\frac{(600+546)}{365}\times100 = \frac{1146}{365}\times100 = 314$ ? = 140% of 12300 54.(1) 140×12300 = 17220 = 17000 46. (4) Time taken in crossing each other  $= \frac{\text{Total length of trains}}{1 + \frac{1}{2}}$ ? = 3739 + 160 × 30 = 3739 + 4800 = 8539 = 8200 55. (3) The pattern is : 56. (4) Relative speed  $2^3 + 1^2 = 9$ The information given in both statements is not  $3^3 + 3^2 = 31$ sufficient as length of train A and individual speed of each train are required.  $4^3 + 3^2 = 73$ 47. (4) Area of rectangle = Area of triangle. From the information given in both the statements, we can find area of triangle or area of rectangle. For finding 241 length, breadth is required, which is not known. 57.(4) The pattern is : 48. (3) From the statement I, 35 + 221 = 256  $r = \frac{100 \times 100}{1000} = 10\%$ 256 + (221 - 26) = 451 451 + 169 (195 - 26) = 620 Thus we have, 620 + 143 (169 - 26) = 763 P = Rs. 1000, r = 10%, t = 3years 763 + 117 = 880 Hence, C.I. can be determined From the statement II. 58.(3) The pattern is :  $S.I = \frac{1000 \times r \times 2}{100} = 20r$  $130 + 3^2 = 139$  $139 + 4^2 = 155$ C.I. = 1000  $\left(1 + \frac{r}{100}\right)^2 - 1$  $155 + 5^2 = 180$  $180 + 6^2 = 216$  $\therefore$  C.I. - S.I. = 1000  $\left\lceil \frac{200r + r^2}{10000} \right\rceil - 20r$  $216 + 7^2 = 265$ 59. (2) The pattern is :  $\Rightarrow 2000r + r^2 - 200r = 100$ 658 + 72 = 730  $\Rightarrow$  r = 10 730 + 144 = 874 874 + 288 = 1162 Hence, C.I. can be determined Let the unit's digit be x and ten's digit be y and x < y. 49. (5) 1162 + 576 = 1738  $\therefore$  Number = 10y + x



## Grand Test – SPP 170209

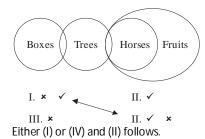
82 – 86.

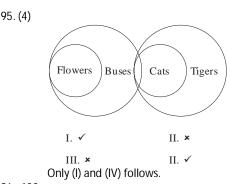
Days	City	Subject of Conference		
Monday	Delhi	Marketing		
Tuesday	Chennai	HR		
Wednesday	Pune	Management		
Thursday	Indore	Banking		
Friday	Hyderabad	Hospitality		
Saturday	Mumbai	Real Estate		
Sunday Bhopal		Finance		

- 82. (3) There is one day gap between conferences held in Delhi and Pune. Similarly, there is one conference between conferences on Banking and Real Estate. Therefore, Indore would belated to Mumbai.
- 83. (5) The conference on Banking was held in Indore.
- Four conferences were held between conferences on 84. (5) Marketing and Real Estate.
- 85. (2) The conference on HR was held on Tuesday.
- 86. (4) The conference on Marketing was held on Monday
- 87 91.

Days	Person	Country				
Monday	Samir	South Africa				
Tuesday	Nita	Australia				
Wednesday	Gifty	France				
Thursday	Paul	Australia				
Friday	Richa	South Africa				
Saturday	Shweta	France				
Sunday	Mohit	South Africa				
Nita will travel on Wednesday. Shweta travelled on Saturday.						

- 87. (3) Nita will travel on Wednesday.
- 88. (1) Shweta travelled on Saturday.
- 89. (5) None of the combinations is true.
- 90. (4) Nita travelled on Tuesday to Australia.
- 91. (3) Mohit travelled on Sunday.
- 92. (5) Any measure is taken assuming that it would be accepted by the people. Therefore, both the assumptions are implicit in the statement
- If there were sufficient money to fund drought relief 93. (5) programmes, why this measure should be taken. Therefore, both the assumptions are implicit in the statement.
- 94. (3)





96-100.

	Eligibility Criteria							
	Applicant	(i)	(ii)	(iii)	(iv)	(v)		
	Ashok	×	×	×	×	×		
	Navin	×	×	×	×	✓		
	Prabhu	✓	×	×	×	×		
	Meena	×	×	✓	×	×		
V	Shobha	~	×	×	×	~		

Ashok Malhotra, himself is not a defence personnel. 96.(1) There-fore, he must pay one-time membership fee of Rs. one lakh. Thus, he is not eligible. 97. (2)

Navin Singh is a national level sports personnel and hence he can become a member by paying only Rs. 20 thousand as membership fee. The criterion of annual income is not applicable to him. Again, Navin Singh is the son of existing member of the club. Under this criterion he must pay Rs. 70 thousand as membership fee and must have an annual income of Rs. three lakhs. But, there is no information about his annual income. Therefore, Navin Singh is eligible under criterion (v) only.

- Prabhu Sharma is retired judge of the Supreme Court. 98.(2) Therefore, criterion (iv) is not applicable. He is eligible under criteria (i) and (v) only.
- MeenaJaswani is daughter of an existing member of the 99. (3) club. Therefore, she has to pay Rs. 70 thousand as membership fee and she must have an annual income of Rs. three lakhs. Thus, she is eligible under criterion (iii). She is presently working in defence sector. Therefore, criterion (ii) is not applicable.

100. (4) Shobha Patil is eligible under criteria (i) and (v).

## ACE RACE