## Grand Test – SPP 170206



## **SBI PO Preliminary** Grand Test –SPP-170206 HINTS & SOLUTIONS

1. (5)	Run a separate medical course for three and a half years which can be taken up only by rural candidates who	33. (4)	The pattern is: 9 × 2 - 1 = 18 - 1 = 17
	would ultimately serve in the rural areas.		17 × 2 – 1=34-1= 33
2. (4)	As these have failed to meet the norms set by the		222 1.44 1.45
2 (4)	central government for running the college.		55 × 2 - 1=00 - 1=00 65 × 2 - 1 - 130 - 1 - 129
3.(4) 4.(E)		34.(2)	The pattern is:
4. (3) 5. (2)	All (A), (D) allu (C) The meaning of the word Sheeking (Adjective) as used in	0.11 (2)	7 × 2 – 1=14 – 1=13
5. (5)	the passage is very bad that offends or upsets people		12
	that is morally wrong		13 × 2 - 1=20 - 1= 25
	The word Appalling (Adjective) means: shocking:		25 × 2 – 1=50 – 1=49
	extremely bad.	0.5 (0)	49 × 2 – 1=98 – 1=97
	Look at the sentences :	35.(3)	
	The prisoners were living in appalling conditions.	Dia a	$3 \times 0.3 + 0.3 = 2.3 + 0.3 = 3$
	The bus service is shocking now.	BAN	3 × 1.5+1.5-4.5+1.5-0
6. (3)	Dearth of teaching faculty.		6 × 2.5+2.5= 15+2.5= 17.5
7.(2)	All (A), (B) and (C)		17.5 × 3.5 + 3.5 = 61.25 + 3.5 = 64.75
8. (2)	To bring to light the problems faced by the health care	36. (3)	C.P. of one pencil box = 7 + 22 + 14 = Rs. 43
	sector in india despite changes suggested and goad the		Total amount paid by Harshita
9 (5)	The word Confiscate (Verb) means to officially take		= Rs. $(20 \times 7 + 8 \times 22 + 6 \times 175 + 7 \times 43)$
7. (3)	something away from somebody: seize: grab		= Rs. (140 + 176 + 1050 + 301) = Rs. 1667
10. (3)	The word Possess (Verb) means: to have or own	37. (5)	Difference = 48 + 59 + 67 - 44 - 45 - 61 = 24
	something; hold.		$\sim$ Correct average = 56 + $^{24}$ = 57
11. (2)	E		$\frac{1}{24}$
12. (2)	В	38. (1)	If the maximum marks of examination be x, then
13. (5)	F		x×45 200 00 250
14. (3)	D		$-\frac{100}{100} = 280 + 80 = 360$
15. (3)	A		260×100
16. (5)	distribution		$\Rightarrow$ x = $\frac{360 \times 100}{100}$ = 800
1/.(1) 10(2)	wnereas		45
10. (2) 10. (2)	influence		$120\% \text{ of } 900 = \frac{800 \times 30}{240} = 240$
20 (5)	nut	~~ R	$100^{-100} = 240^{-100}$
20. (3)	endeavours, touch	ノヒート	= Minimum marks to pass for girls
22. (5)	leads, unhealthy		Required difference = 240 - 108 = 132
23. (3)	observed, only		
24. (2)	gearing, scheduled	39. (5)	Second number = $2400 \times -4 = 600$
25. (4)	efforts, carried		If the first number be x, then
26. (3)	Neither nor is correct form of correlative.		6 22
27. (2)	contribute towards its growth		$x \times \frac{0}{11} = 600 \times \frac{22}{100} = 132$
28. (4)	Since many companies are		11 100
29. (1) 20. (E)	Here, comparative degree should be used.		$\Rightarrow \mathbf{x} = \frac{132 \times 11}{12} = 242$
30. (5)	The nattern is :		6
51. (5)	$2 \times 3_{\pm}2_{-6\pm}2_{-8}$		45 100.0
	$8 \times 3_{\pm}2_{-}2/4_{\pm}2_{-}2/6$		$\cdot \cdot 45\% \text{ of } 242 = 242 \times \frac{100}{100} = 108.9$
			875×56
	$26 \times 3 + 2 = 78 + 2 = 80$	40. (4)	Total marks obtained by Seema = $\frac{875 \times 50}{100}$ = 490
	80 × 3+2 =240+2=242		100
32. (1)	The pattern is :		Total marks obtained by Nitva = $\frac{875 \times 92}{2}$ = 805
	$3 \times 1 + 1^2 = 3 + 1 = 4$		100
	$4 \times 2 + 2^2 = 8 + 4 = 12$		Required average marks
	$12 \times 3 + 3^2 = 36 + 9 = 45$		490+805+634 1929
	$45 \times 4 + 4^2 = 180 + 16 = 196$		$= \frac{3}{3} = \frac{3}{3} = 043$
	1	1	
		1	

## Grand Test – SPP 170206

41. (5) Required monthly expenses = Rs. (9.65 + 2.75 + 5.42) thousand = Rs. (17.82 × 1000) = Rs. 17820 42. (2) Monthly expenditure on food = 7.50 + 8.55 + 11.40 + 17.80 + 9 thousand = Rs.5 = Rs. 10.85 thousand = Rs. 10850 43. (1) It is obvious from the table. 44.(1) Required annual expenditure of C on education = Rs.  $\left(12 \times 12.60 \times \frac{105}{100}\right)$  thousand = Rs. 158.76 thousand = Rs. 158760 Required ratio = 4.72 : 8.40 = 472 : 840 = 59 : 105 45.(4) Difference of corresponding angles 46. (3)  $=(122.4 + 21.6 - 79.2 - 14.4)^{\circ} = 50.4^{\circ}$  $:: 360^\circ = 6800$  $\therefore 50.4^{\circ} = \frac{6800}{360} \times 50.4 = 952$ Required ratio = 21.6 : 79.2 = 3 : 11 47.(1)  $\left(\frac{64.8 + 21.6}{360}\right) \times 100 = 24\%$ 48. (4) Required percentage = Required percentage =  $\frac{14.4}{122.4} \times 100 = 11.76 = 12$ 49. (2) Number of students who prefer beverages B and E 50.(1) together  $\left(\frac{57.6+64.8}{360}\right) \times 6800 =$  $122.4 \times 6800$ = 2312360 I.  $x^2 - x - 12 = 0$ 51. (5)  $\Rightarrow x^2 - 4x + 3x - 12 = 0$  $\Longrightarrow x(x - 4) + 3(x - 4) = 0$ NHINK C  $\Rightarrow$  (x - 4) (x + 3) = 0  $\therefore x = 4 \text{ or } -3$ II.  $y^2 + 5y + 6 = 0$  $\Rightarrow$  y<sup>2</sup> + 3y + 2y + 6 = 0  $\Rightarrow$  y(y + 3)+ 2 (y + 3) = 0  $\Rightarrow$  (y + 3)(y + 2) = 0 ∴ y = - 3 or - 2 Clearly, relation cannot be established. 52. (1) I.  $x^2 - 8x + 15 = 0$  $\Rightarrow x^2 - 5x - 3x + 15 = 0$  $\Rightarrow$  x(x - 5) - 3 (x - 5) = 0 ⇒ (x - 3) (x - 5) = 0  $\therefore x = 3 \text{ or } 5$ II.  $y^2 - 3y + 2 = 0$  $\Rightarrow$  y<sup>2</sup> - 2y - y + 2 = 0  $\Rightarrow$  y (y - 2) -1 (y - 2) = 0  $\Rightarrow$  (y - 1) (y - 2) = 0  $\therefore$  y = 1 or 2 Clearly, x > y I.  $x^2 = 32 + 112 = 144$ 53. (3)  $\therefore = \sqrt{144} = \pm 12$ II. y =  $\sqrt{169} \pm 13$ 

54. (5) I. 
$$x = \sqrt{121} = \pm 11$$
  
II.  $y^2 = 121$   
 $\therefore y = \sqrt{121} = \pm 11$   
55. (4) I.  $x^2 = 16$   
 $\Rightarrow x = \pm 4$   
II.  $y^2 \cdot 9y + 20 = 0$   
 $\Rightarrow y^2 \cdot 4y - 5y + 20 = 0$   
 $\Rightarrow y^2 \cdot 4y - 5y + 20 = 0$   
 $\Rightarrow y(y - 4) - 5(y - 4) = 0$   
 $\Rightarrow (y - 5)(y - 4) = 0$   
 $\therefore Y = 5 \text{ or } 4$   
Clearly,  $x \le y$   
56. (4) Average number of players who play Football and Rugby  
 $= \frac{1}{2} [(17 + 13) \% \text{ of } 4200]$   
 $= \frac{1}{2} \times 4200 \times \frac{30}{100} = 630$   
57. (1) Number of players who play Rugby  
 $= 4200 \times \frac{13}{100} = 546$   
Number of female players who play Rugby  
 $= 2000 \times \frac{10}{100} = 200$   
 $\therefore$  Number of male players who play Rugby  
 $= 546 - 200 = 346$   
Number of female players who play Lawn Tennis  
 $= 2000 \times \frac{22}{400} = 440$   
 $\therefore$  Required difference  $= 440 - 346 = 94$   
58. (3) Number of female cricketers  
 $= 2000 \times \frac{40}{100} = 800$   
Number of male players who play Football, Cricket and Lawn Tennis  
 $= (17 + 35 + 25)\%$  of  $4200 - (13 + 40 + 22)\%$  of  $2000$   
 $= 4200 \times \frac{77}{100} - 2000 \times \frac{75}{100} = 3234 - 1500 = 1734$   
60. (1) Number of male players who play Rugby  
 $= 4200 \times \frac{13}{100} - 200 = 346$   
Number of players who play Lawn Tennis  
 $= 4200 \times \frac{25}{100} = 1050$   
 $\therefore$  Required percentage  $= \frac{346}{1050} \times 100 = 33$   
61. (1) The committee will beformed as follows:  
(0)1 woman and 2 men  
(0)2 women and 1 man

( DAC

(iii)3 women



## () RACE Grand Test - SPP 170206 1. 77. (5) B is the representative from Syndicate Bank. ∥. ✓ Ⅲ. ✓ C sits third to the right of H. The representative from the All follows. Dena Bank, C is to the immediate right of the 87.(4) representative from the UCO Bank, F. A is second to the left of C, the representative from Bank of India. Leaves A, the representative from Bank of Maharashtra and B, the representative from Syndicate Bank are immediate House Trees Fruits neighbours of each other 78.(3) H, the representative from Canara Bank and A, the representative from Bank of Maharashtra, sit between B, the representative from Syndicate Bank and G, the representative from Bank of India. I. either I or III ||. × 79. (5) D is the representative from Oriental Bank from Commerce. III. 80.(4) E, the representative from Punjab National Bank sits second Either I or III follow. to the left from B, the representative from Syndicate Bank. (88 - 90): Sitting arrangement 81. (3) Mihir's grandfather's only child means mother or father of Mihir. The girl is only daughter of Mihir's mother or father. Therefore, the girl is sister of Mihir. Q 82. (5) R R → 16th I B||||| R G E Η 18th 10th F Т Ιт U In none of pairs the third person is sitting between the 88. (5) R's position from the left = $25 - 16 + 1 = 10^{th}$ first and the second persons. Thus, there are 7 children between R and B. 89. (1) Q is to the immediate left of T. 83. (2) 90. (3) U is second to the right of P. E 20 m 40 m North 91. (4) Both the statements (A) and (B) are effects of B independent causes. E Ħ West ┥ > East Clearly statement (B) is the cause and statement (A) is its 92.(2) effects. South C D 20 m 93. (5) Both the statements (A) and (B) are effects of some Required distance = AB + BE $\implies$ 40 + 20 = 60 m common cause. 84. (5) Clearly statement (A) is the cause and statement (B) is its 94.(1) effect. 95.(1) Clearly statement (A) is the cause and statement (B) is its 16 9 15 19 q 2022 effect. Ρ s 0 т I I (96 – 100): $\rightarrow$ ju ac th eg robots can become lawyers → (bd) (np) (ju) mo all (doctors) (can) {check} (85 - 87): 85. (2) → (np) rt qs [ac] many (doctors) and lawyers Bananas → eg ik ux (bd) machine {check} of robots Carrots Brinjals Apple 96. (3) ac $\implies$ lawyers 97.(4) and many $\Rightarrow$ rt qs how $\Rightarrow$ ws | × Ⅱ. ✓ |||. × how can $\Rightarrow$ wsju Only II follows. machine $\Rightarrow$ ik/ux 98.(5) 86. (5) 99.(2) robots $\Rightarrow$ eg Cars 100. (1) become $\Rightarrow$ th doctors $\Rightarrow$ np Bangles The code for 'will' may be 'zi'. Locks

Keys