

## SBI PO Preliminary Grand Test –SPP-170453

### HINTS & SOLUTIONS

- 1.(4) Refer the first sentence of the third paragraph, "Before the late nineteenth century, these views coexisted within the feminist movement, often within the writings of the same individual. Between 1890 and 1920, however, relational feminism, which had been the dominant strain in feminist thought, and which still predominates among European and non-Western feminists, lost ground in England and the United States". Hence option (4) is the correct choice.
- 2.(1) Refer the third sentence of the third paragraph, "however, relational feminism, which had been the dominant strain in feminist thought, and which still predominates among European and non-Western feminists, lost ground in England and the United States". Hence option (1) is the correct choice.
- 3.(4) Refer the last paragraph of the passage, "Relational arguments have a major pitfall because they underline women's physiological and psychological distinctiveness, they are often appropriated by political adversaries and used to endorse male privilege. But the individualist approach, by attacking gender roles, denying the significance of physiological difference, and condemning existing familial institutions as hopelessly patriarchal, has often simply treated as irrelevant the family roles important to many women". Hence option (4) is the correct choice.
- 4.(1) The thought spans the entire second paragraph, particularly its last sentence.
- 5.(3) Refer the last few sentences of the third paragraph.
- 6.(2) Refer the third sentence of the third paragraph, which clears the fact that they did not attempt to unite the two different feminist approaches in their thought. Hence option (2) is the correct choice.
- 7.(4) Emancipation means the fact or process of being set free from legal, social, or political restrictions; liberation and deliverance means the action of being rescued or set free.
- 8.(2) Suffrage means the right to vote in political elections. Franchise means an authorization granted by a government or company to an individual or group enabling them to carry out specified commercial activities, for example acting as an agent for a company's products.
- 9.(1) Doctrine means a stated principle of government policy, mainly in foreign or military affairs and skepticism means a sceptical attitude; doubt as to the truth of something. Hence both are opposite in meanings.
- 10.(5) Maternity means motherhood and paternity means fatherhood. Hence both are opposite in meanings.
- 11.(3) The subject 'The dishes' is plural; so 'were' should be used in place of 'was'.
- 12.(4) Before the name of a newspaper 'The' is used.
- 13.(2) Trouser's correct form is 'Trousers' and is used as a plural noun.
- 14.(3) Since the article 'a' has been used before two furlongs, 'furlong' must be used as the single unit. The correct usage will be 'a two furlong'.
- 15.(3) 'Hanged' ( $V^2/V^3$ ) is associated with punishment, 'Hung', ( $V^2/V^3$ ) means put on the wall. So 'hung' is correct.
- 16.(3) Only 'return' is required which means "come back". Return back is a wrong expression.
- 17.(4) Lay (laid, laid) means to put something in a definite position; lie down means to put oneself flat; so 'lied down' should replace 'laid on'.
- 18.(3) 'Too' alone gives a negative meaning; so 'so that' should replace 'that'.
- 19.(2) Add 'as' after 'quick' (as quick as)
- 20.(1) Put 'not only' after 'satisfies' (Position of 'not only').
- 21.(1) 22.(5)
- 23.(2) 24.(1)
- 25.(3) 26.(5)
- 27.(4) 28.(3)
- 29.(4) 30.(2)
- 31.(3) The pattern is +27, +54, +81, +108, +135, +162  
 $\therefore ? = 1143 + 162 = 1305$
- 32.(3) The pattern is  
 $\times 0.5 + 0.5, \times 1 + 1, \times 1.5 + 1.5, \times 2 + 2, \times 2.5 + 2.5$   
 $\therefore ? = 9 \times 1 + 1 = 10$
- 33.(5) There are two mix series 16, 15, 14...and 17, 18, 19...  
 $\therefore ? = 18 + 1 = 19$
- 34.(2) The pattern is  $T_{n+2} = T_n \times T_{n+1}$   
 Therefore,  $? = 108 \times 18 = 1944$
- 35.(2) The pattern is  $\times 2 - 3, \times 2 - 3, \times 2 - 3 \dots\dots$   
 $\therefore ? = 99 \times 2 - 3 = 195.$
- 36.(5) I.  $\frac{8}{\sqrt{x}} + \frac{6}{\sqrt{x}} = \sqrt{x}$   
 $\frac{8+6}{\sqrt{x}} = \sqrt{x}$   
 $\Rightarrow x = 14$
- II.  $y^3 - \frac{(14)^{\frac{7}{2}}}{\sqrt{y}} = 0$   
 $\Rightarrow y^{\frac{7}{2}} = 14^{\frac{7}{2}}$   
 $\Rightarrow y = 14$   
 $\therefore x = y$
- 37.(4) I.  $x^2 - 11x + 24 = 0$   
 $\Rightarrow x^2 - 9x - 3x + 24 = 0$   
 $\Rightarrow x(x-8) - 3(x-8) = 0$   
 $\Rightarrow (x-3)(x-8) = 0$   
 $\Rightarrow x = 3, 8$
- II.  $2y^2 - 9y + 9 = 0$   
 $\Rightarrow 2y^2 - 6y - 3y + 9 = 0$   
 $\Rightarrow 2y(y-3) - 3(y-3) = 0$   
 $\Rightarrow (2y-3)(y-3) = 0$   
 $\Rightarrow y = \frac{3}{2}, 3$   
 $\therefore x \geq y$

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38.(1)  $l.x^3 \times 13 = x^2 \times 247$   
 $\Rightarrow x = 19$   
 $ll.y^{\left(\frac{1}{5} + \frac{2}{3}\right)} = \frac{294}{14}$   
 Or,  $y = 21$   
 $\therefore x < y$

39.(3)  $l.\frac{12 \times 4}{x^7} - \frac{3 \times 4}{x^7} = x^{\frac{10}{7}}$   
 $\Rightarrow 36 = x\left(\frac{10}{7} + \frac{4}{7}\right)$   
 Or,  $x^2 = 36$   
 Or,  $x = \pm 6$   
 $ll.y^3 + 783 = 999$   
 $\Rightarrow y^3 = 216$   
 $\Rightarrow y = 6$   
 $\therefore y \geq x$

40.(2)  $l.16x^2 + 20x + 6 = 0$   
 $\Rightarrow 16x^2 + 12x + 8x + 6 = 0$   
 $\Rightarrow 4x(4x + 3) + 2(4x + 3) = 0$   
 $\Rightarrow (4x + 2)(4x + 3) = 0$   
 $\Rightarrow x = -\frac{2}{4}, -\frac{3}{4}$   
 $ll.10y^2 + 38y + 24 = 0$   
 $\Rightarrow 10y^2 + 30y + 8y + 24 = 0$   
 $\Rightarrow 10y(y + 3) + 8(y + 3) = 0$   
 $\Rightarrow (10y + 8)(y + 3) = 0$   
 $\Rightarrow y = -\frac{8}{10}, -3$   
 $\therefore x > y$

41.(3) Graduate =  $3360 \times \frac{4}{5} = 2688$   
 Female graduate =  $2688 - 1800 = 888$   
 Female employee =  $3360 \times \frac{6}{14} = 1440$   
 Female graduate next year =  $888 \times \frac{3}{2} = 1332$   
 % of female graduate =  $\frac{1332}{1440} \times 100 = 92.5\%$

42.(3)  $A \Rightarrow \frac{7}{12} \times 100 = 58.34\%$   
 $B \Rightarrow \frac{5}{16} \times 100 = 31.25\%$   
 $C \Rightarrow \frac{11}{21} \times 100 = 52.4\%$   
 $D \Rightarrow \frac{2}{5} \times 100 = 40\%$   
 $E \Rightarrow \frac{6}{13} \times 100 = 46.15\%$   
 $F \Rightarrow \frac{21}{41} \times 100 = 51.22\%$   
 $G \Rightarrow \frac{7}{15} \times 100 = 46.67\%$   
 $H \Rightarrow \frac{6}{14} \times 100 = 42.86\%$   
 Clearly, H is the third lowest.

43.(4)  $\frac{\frac{11}{16} \times 2880 + \frac{8}{14} \times 3360}{2880 \times \frac{65}{100} + 3360 \times \frac{4}{5}} = \frac{1980 + 1920}{1872 + 2688} = \frac{3900}{4560}$   
 $= 65 : 76$

44.(1)  $A \Rightarrow 2568 \times \frac{3}{4} = 1926$   $F \Rightarrow 2788 \times \frac{3}{4} = 2091$   
 $B \Rightarrow 2880 \times \frac{65}{100} = 1872$   $G \Rightarrow 3720 \times \frac{55}{100} = 2046$   
 $D \Rightarrow 3575 \times \frac{3}{5} = 2145$   $H \Rightarrow 3360 \times \frac{4}{5} = 2688$   
 $A + B + D = 5943$   
 $F + G + H = 6825$   
 $\text{Diff.} = 6825 - 5943 = 882$   
 $\text{Avg.} = \frac{882}{3} = 294$

45.(5)  $A \Rightarrow \frac{2568}{16} = 160.5$   
 $B \Rightarrow \frac{2880}{18} = 160$   
 $C \Rightarrow \frac{2310}{14} = 165$   
 $D \Rightarrow \frac{3575}{22} = 162$   
 $E \Rightarrow \frac{2054}{13} = 158$   
 $F \Rightarrow \frac{2788}{17} = 164$   
 $H \Rightarrow \frac{3360}{21} = 160$   
 $G \Rightarrow \frac{3720}{24} = 155$   
 2<sup>nd</sup> highest avg. no. of employees per office = F

46-50.

Friends	Salary (in Rs.)	Incentive (in Rs.)	Expenditure (in Rs.)				Saving (in Rs.)
			Travel	Parties	Accom.	Marketing	
Babu	46000	6900	13035	5480	5290	7935	21160
Gaurav	48000	7200	7640	8500	6200	10780	22080
Arunoday	42000	6300	5796	3864	13524	5796	19320
Mohit	44000	6600	9846	7560	4554	8400	20240
Kamal	40000	6000	2300	15480	4200	5620	18400
Mohan	38000	5700	4200	3496	11664	6860	17480

46.(1) Expenditure on travelling =  $13035 + 7640 + 5796 + 9846 + 2300 + 4200 = 42817$  Rs

47.(3) Required difference =  $8500 + 10780 - 13524 =$  Rs 5756

48.(2) Total saving =  $21160 + 22080 + 19320 + 20240 + 18400 + 17480 =$  Rs 118680

49.(3) Required difference =  $(52900 - 50600) \times 12 =$  Rs 27600

50.(4) Required percentage =  $\frac{13035}{38000} \times 100 \approx 34\%$

51.(4)  $l + m + s = 50; l = 3s; m = l - 20$   
 On solving  $l = 30$  cm,  $s = 10$  cm and  $m = 10$  cm  
 But these sides can't form any triangle as  $m + s < l$

52.(4)  $CI - SI = \frac{550 \times R}{200}$   
 Or,  $R = 20\%$   
 $\therefore P = \frac{550 \times 100}{20 \times 2} =$  Rs 1375

53.(1) But total saving =  $2 \times 1375 =$  Rs 2750  
 Let speed of man and current be  $m$  and  $c$  and distance between P and Q be  $x$

$\therefore \frac{x}{m+c} + \frac{x}{m-c} = 10$  or  $\frac{2mx}{(m+c)(m-c)} = 10$  ..... (i)

And  $\frac{2x}{m+c} = 4$  or,  $x = 2(m+c)$  ..... (ii)

From (i) & (ii)

$6m = 10c$

or,  $\frac{m}{c} = \frac{5}{3}$

54.(3) ATQ  
 $5m = 8w = 12c$

$\therefore \frac{\frac{9}{(x + \frac{15}{2} + \frac{4}{2}) \times 30 \times 6} = \frac{1}{15 \times 12 \times 8}}$

or,  $\frac{9}{x + 10} = \frac{1}{2}$

or,  $x = 8$  men

55.(3) Let C.P of 1 cycle = Rs 100

$\therefore$  S.P. of 1 cycle = Rs 240

New S.P. of 1 cycle =  $\frac{240}{2} =$  Rs 120

No. of cycles sold now = 7

$\therefore$  total new S.P. =  $120 \times 7 =$  Rs 840

Total C.P. = 700

$\therefore$  Profit remains same

56.(3)  $\frac{8000 \times 12}{6x} = \frac{1}{1} \Rightarrow x =$  Rs.16000

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57.(4) Sum of 8 members 10 years ago = 231 years  
 Sum of 8 members 7 years ago  
 = 231 – 60 + 24 = 195 years  
 Sum of 8 members 4 years ago  
 = 195 – 60 + 24 = 159 years  
 Sum of 8 members at present = 159 + 32 = 191 years  
 ∴ Average age ≈ 24 years

58.(3) Required percentage =  $\frac{120}{300} \times 100 = 40\%$

59.(1)  $\frac{x \times 6 \times 2}{100} = \frac{(6000 - x) \times 8 \times 3}{100} \Rightarrow x = \text{Rs.}4000$

60.(2) Let no. of workers = x  
 Total work = 9x  
 ATQ, number of men working each day is  
 x, x - 2, x - 1, x - 3, x - 2, ..... till 18 days  
 On arranging  
 $(9x - 36) + (9x - 54) = 9x$   
 or, x = 10

61.(5)  $\approx 1885 \div 145 + 7 + ?^2 = 69$   
 Or,  $?^2 = 69 - 13 - 7$  or,  $? = 7$

62.(2)  $\approx 12 + 29 \approx 40$

63.(1)  $(1236 - 932)\sqrt{?} = \frac{304}{22} \times ? \Rightarrow ? = 22^2 = 484$

64.(2)  $\frac{3537}{18} \times 2 = 393$

65.(2)  $\frac{1.21 + 4.84 + 10.89}{6.6} \approx 2.5$

66.(1) 67.(1)

68.(2) 69.(3)

70.(1)

71.(2) only conclusion II follows the statement says about the books.

72.(2) only conclusion II follows the statement since the statement it says about the deficit of 350 crore to Steel Authority of India in the current year. Hence the current position of Steel Authority of India is of deficit.

73.(3) Either only conclusion I nor II follows the statement because it is not clear from the statement that whose development has been more. Hence the focus of the government is either more towards urban development or more towards rural development.

74.(1) Only conclusion I follows the statement. Company 'X' along with high rate of interest talks about protection of life in case of sudden death. It can be concluded that rate of interest is high in insurance company 'X' and in the statement nothing is said about the other insurance companies.

75.(1) Only conclusion I follows the statement because before for 42<sup>nd</sup> Amendment, the President was not bound by the advice of the Cabinet.

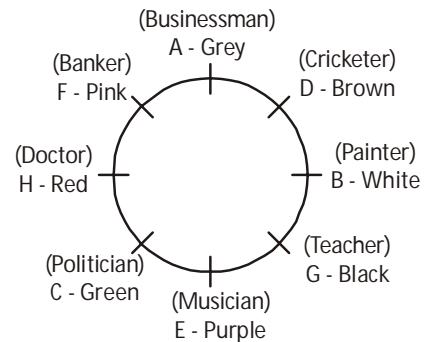
76-80.

Person	Subject	University
Ayush	Hindi	APS
Priyam	History	APS
Rohan	Geography	PTU
Navdeep	Economics	PTU
Divyaraj	Maths	BHU
Adesh	Account	BHU
Abhinav	Biology	BHU

76.(4)  
 78.(5)  
 80.(2)

77.(1)  
 79.(3)

81-85.



81.(1)  
 83.(4)  
 85.(4)  
 86-90.

82.(5)  
 84.(2)

Boy	Girl	Place	Colour
M	S/T	Istanbul	Red/Brown
P	T/S	Istanbul	Brown/Red
R	U	America	Red
O	X	Australia	Green
N	V	China	Green
Q	W	Kenya	White

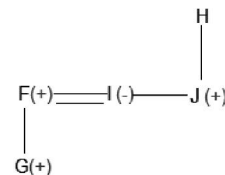
86.(4)  
 88.(1)  
 90.(4)  
 91-95.

87.(3)  
 89.(1)

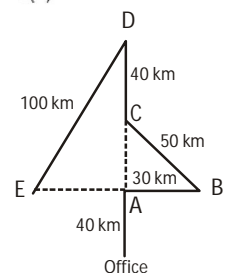
Floors	Friends	Tea
8	E	Masala Tea
7	A	Black Tea
6	H	Oolong Tea
5	D	Fermented Tea
4	B	Yellow Tea
3	G	Ginger Tea
2	C	Green Tea
1	F	White Tea

91.(2)  
 93.(4)  
 95.(3)  
 97.(4)

92.(1)  
 94.(1)  
 96.(5)



98-99.



98.(4)  
 100.(3)

99.(4)