

## SBI PO Preliminary Grand Test –SPP-180653

### HINTS & SOLUTIONS

#### ANSWER KEY

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

#### HINTS & SOLUTIONS

1 – 5. The correct sequence to form meaningful paragraph is **BEDCA**.

- |                |                    |
|----------------|--------------------|
| 1. (2)         | 2. (1)             |
| 3. (4)         | 4. (3)             |
| 6. (1) entered | 7. (5) Until       |
| 8. (4) unique  | 9. (5) popular     |
| 10. (3) rely   | 11. (4) expressing |
| 12. (2) learnt | 13. (1) experience |
| 14. (3) films  | 15. (2) hardly     |
16. (4) 'launched, kicked' is the correct use.  
**Launched** means start or set in motion.  
**Kicked** means succeed in giving up.
17. (1) 'over, following' is the correct use.
18. (4) 'deep, established' is the correct use.  
**Established** means having existed or done something for a long time and therefore recognized and generally accepted.
19. (5) 'availing, forged' is the correct use.  
**Availing** means use or take advantage of (an opportunity or available resource).  
**Forged** means copied fraudulently.

20. (2) 'frequency, allegiance' is the correct use.  
**Frequency** means the rate at which something occurs over a particular period of time or in a given sample.  
**Allegiance** means loyalty or commitment to a superior or to a group or cause.
21. (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.
22. (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.
23. (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.
24. (1) The thought spans the entire second paragraph, particularly its last sentence.
25. (3) Refer the last few sentences of the third paragraph.
26. (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.
27. (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.
28. (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.
29. (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.
30. (5) Maternity means motherhood and paternity means fatherhood. Hence both are opposite in meanings.

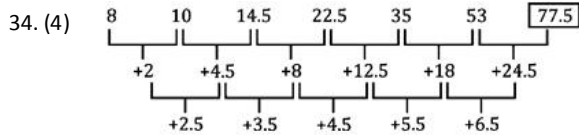
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31. (1)  $(\div 55), (\div 45), (\div 35), (\div 25), (\div 15)$   
 $\therefore 1.24 \div 5 \Rightarrow 0.248$

32. (3)  $(\times 1 - 2), (\times 2 - 3), (\times 3 - 4), \dots$   
 $\therefore 1149 \times 6 - 7 = 6887$

33. (2)  $(12)^3, (14)^3, (16)^3, (18)^3, \dots$   
 $\therefore 24^3 = 13824$



35. (5)  $(\times 14), (\times 9), (\times 4), (\times 4), (\times 9), (\times 14)$   
 $\therefore 36288 \times 14 = 508032$

36. (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  $m + s < l$

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

But total saving =  $2 \times 1375 = \text{Rs } 2750$

38. (1) 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)

$6m = 10c$

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

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

39. (3) ATQ

$5m = 8w = 12c$

$\therefore \frac{\frac{9}{(x+\frac{15}{2}+\frac{5}{2}) \times 30 \times 6} = \frac{1}{15 \times 12 \times 8}}$

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

or,  $x = 8$  men

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

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

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

No. of cycles sold now = 7

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

Total C.P. = 700

$\therefore$  Profit remains same

41. (1)  $\frac{54200 \times 31}{100} : \frac{65250 \times 28}{100} = 8401 : 9135$

42. (4)

City	No. of children
P	12571
Q	8040
R	11924
S	8884
T	11745
U	12496

43. (5)  $\frac{56.8}{301.18} \times 100 \approx 19\%$

44. (3)  $\frac{44.42 \times 45\%}{48.35 \times 36\%} \times 100 = 114.84$

45. (2)  $\frac{18373 + 14472 + 25474 + 15547 + 35235 + 30104}{6}$   
 $\approx 23200$

46. (4) Points obtained by Thomson for durability and channels are equal.

47. (4) Total points = 3818  
 Required No. of points  
 $= \frac{15}{100} \times 3818 = 572.7$

48. (2) Child lock points  
 $= \frac{12}{100} \times 3818 = 458.16$   
 Required average  
 $= \frac{458.16}{6} = 76.36$

49. (4) Required % =  $\frac{\frac{10}{14} \times 640}{\frac{100}{100} \times 683} \times 100$   
 $= \frac{64}{95.62} \times 100 \approx 67\%$

50. (3) Required % =  $\frac{(\frac{18}{100} \times 600 - \frac{14}{100} \times 650)}{\frac{18}{100} \times 600} \times 100$   
 $= \frac{108-91}{108} \times 100 = 15.74$  (less)

51. (5) I.  $\frac{8}{\sqrt{x}} + \frac{6}{\sqrt{x}} = \sqrt{x}$   
 $\frac{8+6}{\sqrt{x}} = \sqrt{x}$   
 $\Rightarrow x = 14$

II.  $y^3 - \frac{(14)^2}{\sqrt{y}} = 0$   
 $\Rightarrow y^2 = 14^2$   
 $\Rightarrow y = 14$   
 $\therefore x = y$

52. (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.  $2y^2 - 9y + 9 = 0$   
 $\Rightarrow 2y^2 - 6y - 3y + 9 = 0$   
 $\Rightarrow 2y(y-3) - 3(y-3) = 0$   
 $\Rightarrow (2y-3)(y-3) = 0$   
 $\Rightarrow y = \frac{3}{2}, 3$   
 $\therefore x \geq y$

53. (1) I.  $x^3 \times 13 = x^2 \times 247$   
 $\Rightarrow x = 19$   
 II.  $y^{\frac{1}{3} + \frac{2}{3}} = \frac{294}{14}$   
 Or,  $y = 21$   
 $\therefore x < y$

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

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

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56. (1) 

First Class	Second Class
Fare 3	: 1
Passenger 1	: 50
Total fare	3 + 50 = 53x
53x = 1325	
x = 25	

Amount collected from second class = 25 × 50 = Rs.1250.

57. (4) One day work of 2 men = 2 × 5 = 10  
 One day work of 3 women = 3 × 4 = 12  
 One day work of 4 children = 4 × 2 = 8  
 Total one day work = 30  

$$\frac{30 \times 10}{30 \times 16} = \frac{(6 \times 5 + 4 \times 4 + 7 \times 2) \times x}{16}$$

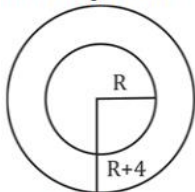
$$\frac{10}{60} = \frac{D}{16}$$

$$D = 8 \text{ days}$$

58. (2) Correct average =  $200 + \frac{(220+80-180-20)}{500}$   
 $= 200 + \frac{100}{500}$   
 $= 200.20$

59. (2) Distance travelled by 1st train = 14t  
 Distance travelled by 2nd train = 21t  
 $21t - 14t = 70$   
 $7t = 70, t = 10 \text{ h}$   
 Total distance =  $(14 + 21) \times 10 = 350 \text{ km}$

60. (4) Radius of swimming pool = R  
 Acc. To Question



$$\pi R^2 \times \frac{11}{25} = \pi(R+4)^2 - \pi R^2$$

$$R^2 \times \frac{11}{25} = R^2 + 16 + 8R - R^2$$

$$\frac{11}{25}R^2 = 16 + 8R$$

$$11R^2 - 200R - 400 = 0$$

$$11R^2 - 220R + 20R - 400 = 0$$

$$11R(R-20) + 20(R-20) = 0$$

$$(11R+20)(R-20) = 0$$

$$R = 20$$

61. (4)  $(?)^2 = 121$   
 $? = 11$

62. (4)  $\frac{7}{3} + \frac{17}{5} \times \frac{5}{4} - \frac{8}{3}$   
 $= \frac{7}{3} + \frac{17}{4} - \frac{8}{3}$   
 $= \frac{17}{4} - \frac{1}{3}$   
 $= \frac{47}{12}$

63. (2)

64. (2)  $\frac{x}{100} \times 762 = 524.24 - 249.92$   
 $x = 36$

65. (5)  $\sqrt{212+229} = \sqrt{441} = 21$

66. (3) C R \* δ

67. (4) When the second half of the series is written in reverse order, the series becomes as follows:

J # X 2 D \$ Q Z 6 £ K 1 r G O δ B β 3 α 9 R 7 \* A C 4 L @ Δ  
 Now, the twelfth element to the right of seventh element from left ⇒ Nineteenth element from left, ie 3.

68. (2) Ninth element to the left of seventeenth element from left ⇒  $(17 - 9 =)$  eighth element from left, ie Z.

69. (5) We have to look for letter-number sequence or symbol-letter sequence. Bold letters indicate those letters.

J \$ X 2 D \$ Q Z 6 £ K 1 r G O Δ @ L 4 C A \* 7 R 9 α 3 β B δ

70. (5) **Q+4 K+4 O**  
**D+4 6+4 r**  
**#+4 \$+4 £**  
**@+4 A+4 9**  
**1+4 Δ+5 A**

71. (2) Nothing about the environment in the new company is mentioned in the statement. So, I is not implicit. Since Arun is not satisfied with the present Salary, it is evident that the present company offers moderate pay packets. So, II is implicit. The statement talks only of Arun and not all the employees of the new company. So, III is not implicit.

72. (2) From the fact that the present pact is not a lasting one, the possibility of a permanent pact cannot be ruled out. So, I is not implicit. The statement mentions that the present pact is a 'fragile' one and the vital sovereignty issue still remains unresolved. So the same issue may rise again in the future. Thus, II is implicit.

73. (1) A has advised B the route to Jammu. This means that B wishes to go to Jammu. So, I is implicit. The statement mentions only A's advice to B. So, II is not implicit.

74. (3) Clearly, if the income of farmers is not adequate, they cannot be brought under the net of taxation as per rules governing the Income Tax Act. So, I is not strong. Besides, a major part of the population is dependent on agriculture and such a large section, if taxed even with certain concessions, would draw in huge funds, into the government coffers. Also, many big landlords with substantially high incomes from agriculture are taking undue advantage of this benefit. So, both arguments II and III hold strong.

75. (1) Clearly, internet users should not suffer on account of certain individuals who indulge in internet hacking. However, such wrong-doers ought to be penalized so that there are no hassles in the use of internet. So, only course I follows.

76 – 80.

Month	Person	Subjects
February	E	English
March	F	Hindi
April	B	Computer
June	D	Reasoning
September	A	Physics
October	G	Quant
November	C	GA

76. (1)

78. (4)

77. (5)

79. (4)

80. (3)

