SBI PO Preliminary Grand Test –SPP-180301
HINTS & SOLUTIONS

ANSWER KEY

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

HINTS & SOLUTIONS

1. (4) Both (1) and (2)
2. (4) Credit card companies are discreet enough to provide credit cards to only those people who guarantee repaying money in the future
3. (2) Only B
4. (2) They have been drawing colossal salaries and turn a blind eye towards the needs of fellow countrymen
5. (4) Only B and C
6. (3) Profit earned from credit card companies has become an essential component in the economy of a growing nation
7. (5) The meaning of the word Thrift (Noun) as used in the passage is : the habit of saving money and spending it carefully.
   Hence, the words thrift and frugality are synonymous.
8. (4) The meaning of the word Aggression (Noun) as used in the passage is : action with force and determination in order to succeed.
9. (3) The meaning of the word Explosion (Noun) as used in the passage is : a large sudden or rapid increase in the amount or number of some-thing; outburst.

Hence, the words explosion and reduction are antonymous.
10. (3) The meaning of the word Comprehensive (Adjective) as used in the passage is : including all or almost all things ; complete, full.
    Hence, the words comprehensive and incomplete are antonymous.
11. (1)
12. (3) Entrapped = caught in a place
13. (2) Deal with = to perform a task
    Brink= (the extreme edge) Scientists are on the brink of making a major new discovery
14. (4) Move = to cause somebody to have strong feeling ; to cause somebody to do some thing : prompt
15. (2) Ambitious = determined to be successful, rich, powerful etc.
16. (1) Plural Subject agrees with a Plural Verb. Hence, sugar sweetened drinks do not .... should be used.
17. (4) Here, due to the adoption (Noun) of unsafe procedures .... should be used.
18. (3) Here, Simple Past should be used. Hence, announced a series of .... will be a correct usage.
19. (3) The word audience is used both in plural and singular. Hence, with audience responding warmly ...... should be used.
20. (1) Here, The actress was ordered to ....should be used.
21. (2) E   22. (2) B
23. (5) F   24. (3) D
25. (3) A   26. (5) distribution
27. (1) whereas   28. (2) second
29. (3) influence   30. (5) put
31. (2) The pattern of the number series is :
    $7 \times 2 + 6 = 20$
    $20 \times 2 + 6 = 46$
    $46 \times 2 + 6 = 98$
    $98 \times 2 + 6 = 202$
    $202 \times 2 + 6 = 404 + 6 = \boxed{410}$
32. (2) The pattern of the number series is :
    $210 - 1^3 = 209$
    $209 + 2^2 = 213$
    $213 - 3^3 = 186$
    $186 + 4^2 = 202$
    $202 - 5^3 = 202 - 125 = \boxed{77}$
33. (5) The pattern of the number series is :
    $27 + 11 = 38$
    $38 + 33 = 71$
    $71 + 55 = 126$
    $126 + 77 = 203$
    $203 + 99 = \boxed{302}$
34. (3) The pattern of the number series is :
    $435 - 9 \times 9 = 354$
    $354 - 9 \times 8 = 282$

$282 - 9 \times 7 = 219$
$219 - 9 \times 6 = 165$
$165 - 9 \times 5 = \boxed{120}$

35. (3) The pattern of the number series is :
$4 + 14^2 = 4 + 196 = 200$
$200 + 13^2 = 200 + 169 = 369$
$369 + 12^2 = 369 + 144 = 513$
$513 + 11^2 = 513 + 121 = 634$
$634 + 10^2 = 634 + 100 = \boxed{734}$

36. (3) Difference of corresponding angles
$= (122.4 + 21.6 - 79.2 - 14.4)^0 = 50.4^0$
$\because 360^0 = 6800$
$\therefore 50.4^0 = \dfrac{6800}{360} \times 50.4 = 952$

37. (1) Required ratio $= 21.6 : 79.2 = 3 : 11$

38. (4) Required percentage $= \left(\dfrac{64.8 + 21.6}{360}\right) \times 100 = 24\%$

39. (2) Required percentage $= \dfrac{14.4}{122.4} \times 100 = 11.76 = 12$

40. (1) Number of students who prefer beverages B and E together
$= \left(\dfrac{57.6 + 64.8}{360}\right) \times 6800 = \dfrac{122.4 \times 6800}{360} = 2312$

41. (5) It is obvious from the table.

42. (1) Percentage increase in 2006
$= \dfrac{-12.5 - 5.3}{5.3} \times 100 = 136$

43. (2) Required difference
$= (14.5 - 6.6) \times 1000 = Rs. 7900$

44. (5) Total monthly rent at Virar over the years
$= (1.1 + 2.1 + 1.8 + 3.6 + 5.5 + 7.8) \times 1000$
$= Rs. 21900$
$\therefore$ Required percentage $= \dfrac{9800}{21900} \times 100 = 45$

45. (1) It is obvious from the table.

46. (3) I. $2x^2 - 7x + 6 = 0$
$\Rightarrow 2x^2 - 4x - 3x + 6 = 0$
$\Rightarrow 2x(x - 2) - 3(x - 2) = 0$
$\Rightarrow (x-2)(2x-3) = 0$
$\Rightarrow X = 2 \text{ or}, \dfrac{3}{2}$

II. $2y^2 - 9y + 10 = 0$
$\Rightarrow 2y^2 - 4y - 5y + 10 = 0$
$\Rightarrow 2y(y - 2) - 5(y - 2) = 0$
$\Rightarrow (y - 2)(2y - 5) = 0$
$\Rightarrow y = 2 \text{ or}, \dfrac{5}{2}$
$\therefore$ Clearly $x \leq y$

47. (4) I. $x^2 + 7x + 12 = 0$
$\Rightarrow x^2 + 4x + 3x + 12 = 0$

$\Rightarrow x(x + 4) + 3(x + 4) = 0$
$\Rightarrow (x + 4)(x + 3) = 0$
$\Rightarrow x = -4 \text{ or}, -3$

II. $2y^2 + 17y + 36 = 0$
$\Rightarrow 2y^2 + 8y + 9y + 36 = 0$
$\Rightarrow 2y(y + 4) + 9(y + 4) = 0$
$\Rightarrow (y + 4)(2y + 9) = 0$
$\Rightarrow y = -4 \text{ or}, -\dfrac{9}{2} = -4\dfrac{1}{2}$
$\therefore$ Clearly $x \geq y$

48. (3) I. $9x^2 + 27x + 20 = 0$
$\Rightarrow 9x^2 + 15x + 12x + 20 = 0$
$\Rightarrow 3x(3x + 5) + 4(3x + 5) = 0$
$\Rightarrow (3x + 5)(3x + 4) = 0$
$\Rightarrow x = \dfrac{-5}{3} \text{ or}, -\dfrac{4}{3}$

II. $3y^2 + 7y + 4 = 0$
$\Rightarrow 3y^2 + 3y + 4y + 4 = 0$
$\Rightarrow 3y(y + 1) + 4(y + 1) = 0$
$\Rightarrow (y + 1)(3y + 4) = 0$
$\Rightarrow y = -1 \text{ or}, \dfrac{-4}{3}$
Clearly, $x \leq y$

49. (5) I. $x^2 - 11x + 30 = 0$
$\Rightarrow x^2 - 6x - 5x + 30 = 0$
$\Rightarrow x(x - 6) - 5(x - 6) = 0$
$\Rightarrow (x - 6)(x - 5) = 0 \Rightarrow x = 6 \text{ or}, 5$

II. $y^2 - 10y + 24 = 0$
$\Rightarrow y^2 - 6y - 4y + 24 = 0$
$\Rightarrow y(y - 6) - 4(y - 6) = 0$
$\Rightarrow (y - 4)(y - 6) = 0 \Rightarrow y = 4 \text{ or}, 6$
$\therefore$ Relationship cannot be established

50. (2) I. $5x^2 - 22x + 24 = 0$
$\Rightarrow 5x^2 - 10x - 12x + 24 = 0$
$\Rightarrow 5x(x - 2) - 12(x - 2) = 0$
$\Rightarrow (x - 2)(5x - 12) = 0$
$\Rightarrow x = 2 \text{ or}, \dfrac{12}{5}$

II. $5y^2 - 12y + 7 = 0$
$\Rightarrow 5y^2 - 5y - 7y + 7 = 0$
$\Rightarrow 5y(y - 1) - 7(y - 1) = 0$
$\Rightarrow (y - 1)(5y - 7) = 0$
$\Rightarrow y = 1 \text{ or}, \dfrac{7}{5}$
Clearly, $x > y$

51. (3) C.P. of one pencil box $= 7 + 22 + 14 = Rs. 43$
$\therefore$ Total amount paid by Harshita
$= Rs. (20 \times 7 + 8 \times 22 + 6 \times 175 + 7 \times 43)$
$= Rs. (140 + 176 + 1050 + 301) = Rs. 1667$

52. (5) Difference = 48 + 59 + 67 - 44 - 45 - 61 = 24

∴ Correct average = $56 + \dfrac{24}{24} = 57$.

53. (1) If the maximum marks of examination be x, then

$\dfrac{x \times 45}{100} = 280 + 80 = 360$

$\Rightarrow x = \dfrac{360 \times 100}{45} = 800$

∴ 30% of 800 = $\dfrac{800 \times 30}{100} = 240$

= Minimum marks to pass for girls

∴ Required difference = 240 - 108 = 132

54. (5) Second number $= 2400 \times \dfrac{1}{4} = 600$

If the first number be x, then

$x \times \dfrac{6}{11} = 600 \times \dfrac{22}{100} = 132$

$\Rightarrow x = \dfrac{132 \times 11}{6} = 242$

∴ 45% of 242 = $242 \times \dfrac{45}{100} = 108.9$

55. (4) Total marks obtained by Seema = $\dfrac{875 \times 56}{100} = 490$

Total marks obtained by Nitya = $\dfrac{875 \times 92}{100} = 805$

Required average marks

$= \dfrac{490 + 805 + 634}{3} = \dfrac{1929}{3} = 643$

56-60.

	Singing	Dancing	Painting	S & D	P & D	S & P & D
Boys (910)	91	182	385	78	104	70
Girls (650)	182	65	130	156	52	65
Total (1560)	273	247	515	234	156	135

56. (4) Total number of boys enrolled in dancing class
= 182 + 70 + 104 + 78 = 434

57. (5) Number of girls enrolled in singing class
= 156 + 182 + 65 = 403

∴Required percentage = $\dfrac{403}{1560} \times 100 = 26$

58. (1) Required number of students = 70+ 65=135

59. (2) Required percentage $= \dfrac{65}{182} \times 100 = 35.715$ x100 =35.71

60. (3) Required ratio = 130: 385 = 26 : 77

61. (4) ? = 466 + 765 - 212 = 1019
∴ Required answer = 1020

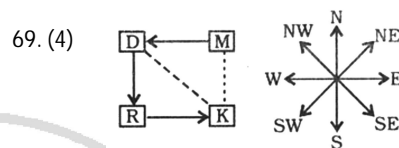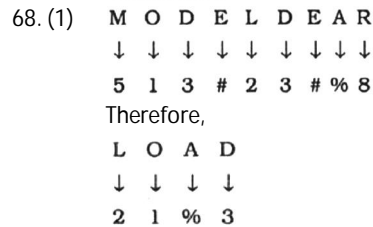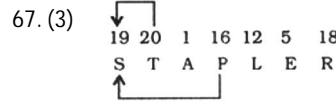62. (1) ? = $\dfrac{150 \times 150}{100} + 150$
= 225 + 150 = 375

63. (4) ? = $\dfrac{3000 \times 750}{1000} - 1400$
= 2250 -1400 = 850

64. (3) ? = 51 - 34 + 21 = 38
∴ Required answer = 40

65. (5) ? = $\dfrac{900}{30} \times \dfrac{90}{300} \times \dfrac{600}{50} = 108$

∴ Required answer = 110

66. (1) M is mother of K and T.
W is brother of M. Therefore, W is maternal uncle of T.

67. (3)

68. (1)

Therefore,

69. (4)

70. (2) H G F E D C B A
H G F E D C B
H G F E D C
H G

71. (3) The date of birth of Yasir is February 29. It means he was born in a Leap Year.
From statement I:
Leap Year between 2005 and 2011 was 2008.
From statement II:
2012 - 4 = 2008 and 2008 was a Leap year.

72. (1) From statement I:
Out of 42 students, 38 play both chess and cricket and the remaining four play only cricket. Therefore, no student plays only chess.

73. (5) It is requested to send another type of letter. It implies that format and emphasis of different types of letters is different. Again, it is clearly mentioned to send an official letter rather than semi-official letter on this subject.
Therefore, it is possible to send different types of letters on the same subject.

74. (1) Only assumption I is implicit in the statement.
The details of passengers are required for booking the tickets.

75. (5) Clearly, both the assumptions are implicit in the statement.

76-80.

Person	Pen	Car	Watch
Suman	Parker	Mica	Samay
Mrudula	Cello	City	Citizen
Amir	Lamy	Santro	Timex
Veena	Lexi	WagonR	Titan
Harsh	Pointer	Swift	Fastrack

76. (3) Suman likes Samay watch.
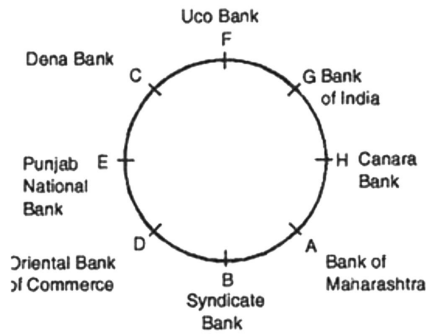77. (2) Harsh likes Pointer pen.
78. (2) Harsh likes Fastrack watch.
79. (1) Harsh likes Swift car.
80. (3) Veena likes Titan watch.

81-85.

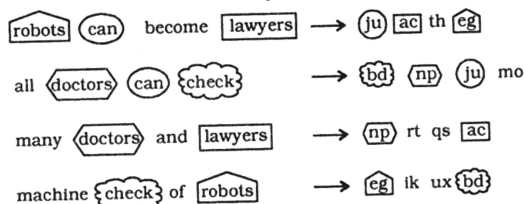

I. ✓✗   II. ✗✓
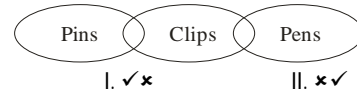
Either I or II follows.

97-99.

81. (2)   Except in A-Canara Bank pair, in all others the first person is second to the left of the second person.

82. (5)   B is the representative from Syndicate Bank.
C sits third to the right of H. The representative from the Dena Bank, C is to the immediate right of the representative from the UCO Bank, F. A is second to the left of C, the representative from Bank of India.
A, the representative from Bank of Maharashtra and B, the representative from Syndicate Bank are immediate neighbours of each other

83. (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.

84. (5)   D is the representative from Oriental Bank from Commerce.

85. (4)   E, the representative from Punjab National Bank sits second to the left from B, the representative from Syndicate Bank.

86. (5)   The last line of the passage contradicts the inference.

87. (1)   The inference is definitely true. Consider the following line of the passage :
" ...... it is imperative for an investor to define objective – both returns and digestible risk .....".

88. (1)   The theme of the passage supports the inference. Therefore, the inference is definitely true.

89. (4)   The inference is probably false. It is mentioned in the passage that choice in any decision making is good in so far it provided variety, differentiation and benchmarking it. It could also however, at times lead to clutter and noise if the options are mostly similar and undifferentiated. Therefore, the inference seems to be false.

90. (3)   The data provided in the passage are not sufficient to determine the truth or falsity of the inference.
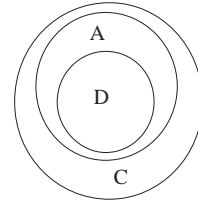
97. (5)   I. ✓   II. ✓
Both I and II follows.

98. (1)   I. ✓   II. ✗
Only I follows.

99. (4)   I. ✗   II. ✗
Neither I nor II follows.

100. (2)

I. ✗   II. ✓

Only II follows.

91-95.

91. (3)   ac ⟹ lawyers

92. (4)   and many ⟹ rt qs
how ⟹ ws
how can ⟹ wsju

93. (5)   machine ⟹ ik/ux

94. (2)   robots ⟹ eg

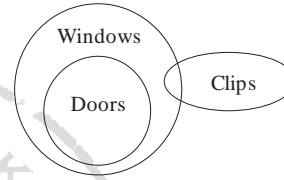95. (1)   become ⟹ th
doctors ⟹ np
The code for 'will' may be 'zi'.

96. (3)