

SBI PO Preliminary Grand Test –SPP-180307

HINTS & SOLUTIONS

ANSWER KEY

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

HINTS & SOLUTIONS

1. (4) Making a case for the international society to engineer a second Green Revolution
2. (2) Withdrawal of fiscal impetus from agriculture to other sectors
3. (3) Agricultural growth has artificially inflated India's GDP and such growth is not real
4. (2) Only (C)
5. (5) Only (B) and (C)
6. (3) Only (B)
7. (2) The meaning of the word Slap (Verb) as used in the passage is : impose; to order especially in a sudden or an unfair way, that something must happen or somebody must do something.
Look at the sentence:
The company slapped a ban on using email on the staff.
Hence, the words slapped and imposed are synonymous.
8. (1) The meaning of the word Plow (Verb) as used in the passage is : to invest a large amount of money in a company or project; to cultivate.
Hence, the words plowed and cultivated are synonymous.
9. (2) The meaning of the word Pressing (Adjective) as used in the passage is : urgent, serious, insistent, needing to be dealt with immediately.
Hence, the words pressing and undemanding are antonymous.
10. (3) The meaning of the word Evaporate (Verb) as used in the passage is : to disappear, especially by gradually becoming less and less.
Look at the sentence:
His confidence had now completely evaporated.
Hence, the words evaporated and grew are antonymous.
11. (2) B
12. (1) E
13. (4) D
14. (3) C
15. (1) A
16. (3) The sentence is in Past Tense. The use of had lost and replied make it evident. So, we can't use contain (V₁) here. Contain will be replaced with contained (V₂).
17. (2) In place of forbearance to, we should use forbearance towards.
Forbearance (Noun) means patient self-control; tolerance : show forbearance towards somebody; exercise forbearance in dealing with people.
18. (2) In place of abounding with we should use abound with. 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) No error
21. (1) depositors
22. (4) borrow
23. (4) banking
24. (2) simpler
25. (2) gap
26. (2) which are an outgrowth of what they imagine
27. (2) does the most important things to have all elements of importance in its products
28. (4) has always had a full measure of a trait
29. (3) with the performance that was expected of them
30. (2) to be bright, capable and making contribution to
31. (3) I. $3x^2 + 7x + 2 = 0$
 $\Rightarrow 3x^2 + 6x + x + 2 = 0$
 $\Rightarrow 3x(x+2) + 1(x+2) = 0$
 $\Rightarrow (3x+1)(x+2) = 0$
 $\Rightarrow x = -\frac{1}{3}$ or -2
- II. $y^2 + 5y + 6 = 0$
 $\Rightarrow y^2 + 3y + 2y + 6 = 0$
 $\Rightarrow y(y+3) + 2(y+3) = 0$
 $\Rightarrow (y+2)(y+3) = 0$
 $\Rightarrow y = -2$ or -3
 Clearly, $x \geq y$
32. (1) I. $2x^2 - 13x + 21 = 0$
 $\Rightarrow 2x^2 - 7x - 6x + 21 = 0$

$$\Rightarrow x(2x - 7) - 3(2x - 7) = 0$$

$$\Rightarrow (2x - 7)(x - 3) = 0$$

$$\Rightarrow x = 3 \text{ or } \frac{7}{2}$$

II. $2y^2 - 9y + 10 = 0$

$$\Rightarrow 2y^2 - 4y - 5y + 10 = 0$$

$$\Rightarrow 2y(y - 2) - 5(y - 2) = 0$$

$$\Rightarrow (y - 2)(2y - 5) = 0$$

$$\Rightarrow y = 2 \text{ or } \frac{5}{2}$$

Clearly, $x > y$

33. (5) I. $3x^2 - 14x + 15 = 0$

$$\Rightarrow 3x^2 - 9x - 5x + 15 = 0$$

$$\Rightarrow 3x(x - 3) - 5(x - 3) = 0$$

$$\Rightarrow (3x - 5)(x - 3) = 0$$

$$\Rightarrow x = \frac{5}{3} \text{ or } 3$$

II. $2y^2 - 9y + 9 = 0$

$$\Rightarrow 2y^2 - 6y - 3y + 9 = 0$$

$$\Rightarrow 2y(y - 3) - 3(y - 3) = 0$$

$$\Rightarrow (2y - 3)(y - 3) = 0$$

$$\Rightarrow y = \frac{3}{2} \text{ or } 3$$

Relationship cannot be established.

34. (2) I. $3x^2 - 10x + 8 = 0$

$$\Rightarrow 3x^2 - 6x - 4x + 8 = 0$$

$$\Rightarrow 3x(x - 2) - 4(x - 2) = 0$$

$$\Rightarrow (3x - 4)(x - 2) = 0$$

$$\Rightarrow x = \frac{4}{3} \text{ or } 2$$

II. $2y^2 - 11y + 15 = 0$

$$\Rightarrow 2y^2 - 6y - 5y + 15 = 0$$

$$\Rightarrow 2y(y - 3) - 5(y - 3) = 0$$

$$\Rightarrow (y - 3)(2y - 5) = 0$$

$$\Rightarrow y = 3 \text{ or } \frac{5}{2}$$

Clearly, $y > x$

35. (5) I. $x^2 = 25$

$$\Rightarrow x = \sqrt{25} = \pm 5$$

II. $y^2 - 6y + 9 = 0$

$$\Rightarrow (x - 3)^2 = 0 \Rightarrow x - 3 = 0$$

$$\Rightarrow x = 3$$

36. (3) From I, II & III

Let speed of Amit and Abhi be $4x$ and $5x$ km/hr respectively.

$$5x - 4x = 20$$

$$\therefore x = 20 \text{ km/hr}$$

Let distance be d km

$$\frac{d}{80} - \frac{d}{100} = 1$$

$$\therefore d = \frac{80 \times 100}{20} = 400 \text{ km}$$

37. (2) From I and II

Let length and breadth be $3x$ and $2x$

$$2\pi r = 440 \quad [r \rightarrow \text{radius of circle}]$$

$$r = 70 \text{ m}$$

$$\therefore \text{breadth} = 10 \text{ m}$$

$$\& \text{ length} = 15 \text{ m}$$

$$\therefore \text{Area} = 10 \times 15 = 150 \text{ m}^2$$

Statement I and III are same.

38. (1) From I

$$\text{Passed} = 400$$

From III

Let appeared & Passed student be $5x$ and $3x$ respectively

$$2x = 400 \Rightarrow x = 200$$

$$\therefore \text{failed} = \text{appeared} - \text{passed}$$

$$= 1000 - 400$$

$$= 600$$

39. (1) From I

$$\frac{\text{PRT}(2)}{100} = 44000$$

$$\text{PR} = 2200000$$

From II

$$P + \frac{\text{PRT}}{100} = 15400$$

From III

$$\text{Difference} = \frac{\text{PR}^2}{100^2}$$

$$\frac{\text{PR}^2}{100^2} = 120$$

From I and III R can be found.

Let the smaller no. is x & bigger no. is y .

40. (5) From I

$$Y = x + 6$$

From II,

$$\frac{40}{100} \times x = \frac{30}{100} \times y$$

From III,

$$\frac{y}{x} = \frac{2}{1}$$

$$\Rightarrow 3y = 4x$$

\therefore from I and II or I and III

41. (5) Number of men visiting super-market D

$$= \frac{55500 \times 41}{100} = 22755$$

Total number of people visiting all the super-markets together

$$= 34560 + 65900 + 45640 + 55500 + 42350 + 59650 = 303600$$

$$\therefore \text{Required percentage} = \frac{22755}{303600} \times 100 = 7.5$$

42. (4) Number of children visiting super-market C

$$= \frac{45640 \times 20}{100} = 9128$$

Number of children visiting super-market F

$$= \frac{59650 \times 14}{100} = 8351$$

$$\therefore \text{Required percentage} = \frac{9128}{8351} \times 100 = 109.30$$

43. (3) Total number of children visiting super-markets B and D

$$\text{together} = \frac{65900 \times 20}{100} + \frac{55500 \times 33}{100}$$

$$= 13180 + 18315 = 31495$$

44. (1) Total number of women

$$= \frac{34560 \times 55}{100} + \frac{65900 \times 43}{100} + \frac{45640 \times 45}{100} + \frac{55500 \times 26}{100}$$

$$+ \frac{42350 \times 70}{100} + \frac{59650 \times 62}{100}$$

$$= 19008 + 28337 + 20538 + 14430 + 29645 + 36983$$

$$= 148941$$

$$\therefore \text{Required average} = \frac{148941}{6} = 24823.5$$

45. (5) Required ratio = 19008 : 20538 = 1056 : 1141

46 – 50. Train - A

Total Passengers = 700

General Coaches = $\frac{700}{5} = 140$

AC Coaches = $\frac{700}{4} = 175$

Sleeper Class = 161

First Class = 224

Train - B

Total Passengers = 910

AC Coaches = 480 - 175 = 305

Sleeper Class = 273

First Class = 91

General Coaches = 241

46. (3) Required ratio = 224 : 273 = 32 : 39

47. (4) Required answer = 140 + 305 = 445

48. (5) Required difference = 273 + 91 - 175 = 189

49. (2) Required percentage

$$= \frac{140 + 241}{910} \times 100 = \frac{381}{910} \times 100 = 42$$

50. (3) Required amount = 450 × 224 = Rs. 100800

51. (5) The smallest odd number = x

∴ The smallest even number = x + 11

$$\therefore x + x + 2 + x + 4 + x + 11 + x + 13 + x + 15 = 231$$

$$\Rightarrow 6x + 45 = 231$$

$$\Rightarrow 6x = 231 - 45 = 186$$

$$\therefore x = \frac{186}{6} = 31$$

∴ Required sum

$$= x + 4 + x + 15$$

$$= 2x + 19 = 2 \times 31 + 19$$

$$= 62 + 19 = 81$$

52. (1) Second number

$$= \frac{50 \times 12}{100} = 6$$

$$\therefore \text{First number} = \frac{6^3 \times 3}{2} = 324$$

∴ Required sum = 324 + 6 = 330

53. (3) Total CP

$$= \text{Rs. } (12000 + 10000) = \text{Rs. } 22000$$

$$\text{Total S.P.} = \left(\frac{12000 \times 108}{100} + \frac{10000 \times 88}{100} \right)$$

$$= \text{Rs. } (12960 + 8800) = \text{Rs. } 21760$$

$$\therefore \text{Loss} = \text{Rs. } (22000 - 21760) = \text{Rs. } 240$$

54. (2) Age of the fourth boy = $(26 \times 7 - 3 \times 19 - 3 \times 32)$ years
 $= (182 - 57 - 96)$ years = 29 years

55. (4) Data are inadequate.

56. (4) The pattern is :

$$2^3 + 1^2 = 9$$

$$3^3 + 3^2 = 31$$

$$4^3 + 3^2 = 73$$

$$5^3 + 4^2 = 141$$

$$6^3 + 5^2 = \boxed{241}$$

57. (4) The pattern is :

$$35 + 221 = 256$$

$$256 + (221 - 26) = 451$$

$$451 + 169 (195 - 26) = 620$$

$$620 + 143 (169 - 26) = 763$$

$$763 + 117 = \boxed{880}$$

58. (3) The pattern is :

$$130 + 3^2 = 139$$

$$139 + 4^2 = 155$$

$$155 + 5^2 = 180$$

$$180 + 6^2 = 216$$

$$216 + 7^2 = \boxed{265}$$

59. (2) The pattern is :

$$658 + 72 = 730$$

$$730 + 144 = 874$$

$$874 + 288 = 1162$$

$$1162 + 576 = \boxed{1738}$$

60. (2) The pattern is :

$$14 + 990 = 1004$$

$$1004 + \frac{990}{5} = 1202.$$

$$1202 + \frac{198}{4} = 1251.5$$

$$1251.5 + 16.5 \left(= \frac{49.5}{3} \right) = 1268$$

$$1268 + 8.25 = \boxed{1276.25}$$

61. (1) $? = (41)^2 + (8)^2 - (22)^2$

$$= 1681 + 64 - 484 = 1261$$

∴ Required answer = 1280

62. (3) $\frac{600 \times 40}{100} - 250$

$$= ? - \frac{900 \times 80}{100}$$

$$\Rightarrow 240 - 250 = ? - 720$$

$$\Rightarrow ? = 720 + 240 - 250 = 710$$

∴ Required answer = 700

63. (2) $52000 \div 60 \times 30 = ? \times 40$

$$\Rightarrow \frac{52000}{60} \times 30 = ? \times 40$$

$$\therefore ? = \frac{26000}{40} = 650$$

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We have divided by smaller numbers.
 ∴ Required answer = 600

$$64. (3) \quad ? = \frac{701}{52} \times \frac{699}{11} \times \frac{112}{107}$$

$$= \frac{700}{50} \times \frac{700}{11} \times \frac{110}{100} = 980$$

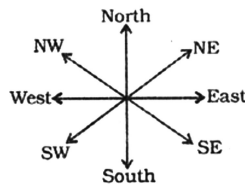
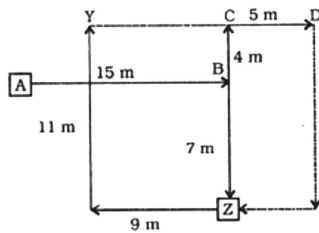
∴ Required answer = 900

$$65. (4) \quad ? = \frac{\sqrt{5378} \times \sqrt{3330}}{\sqrt{360}}$$

$$= \frac{73 \times 58}{19} = 223$$

∴ Required answer = 225

66–67.

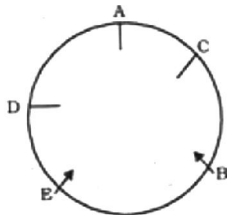


66. (1) Point Y is $(9 + 5) \text{ m} = 14 \text{ metre}$ towards West from the Point D.

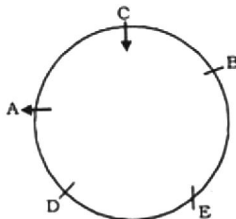
67. (3) It is clear from the diagram that Meenal would have to walk towards West to reach Point Z

68. (3) From statement I
 $Q > R, S$
 $Q > R, S > T > P$
 Thus, the bag Q is the heaviest.
 From statement II
 $Q > R > S, T, P$
 Thus, the bag Q is the heaviest.

69. (2) From statement I



It is not clear A, D and C are facing the centre or outward.
 From statement II



A is facing outward.

70. (4) It is clear from the statement that the school in Regari is not at a walkable distance from the village

71-75.

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

71. (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 be related to Mumbai.

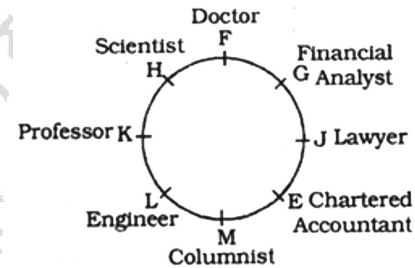
72. (5) The conference on Banking was held in Indore.

73. (5) Four conferences were held between conferences on Marketing and Real Estate.

74. (2) The conference on HR was held on Tuesday.

75. (4) The conference on Marketing was held on Monday.

76-80.



76. (2) Financial Analyst G is sitting second to the right of E.

77. (4) K is the professor.

78. (3) Chartered Accountant E is sitting just opposite to Scientist H.

Columnist M is sitting just opposite of Doctor F.

Lawyer J is not sitting just opposite to Engineer L.

Financial Analyst G is sitting just opposite of Engineer L.

Lawyer J is sitting just opposite of Professor K.

79. (2) Engineer L is second to the right of Scientist H.

80. (1) Lawyer J is second to the left of the Doctor F.

Chartered Accountant E is an immediate neighbour of Lawyer J and Columnist M.

Scientist H sits exactly between Doctor F and Professor K.

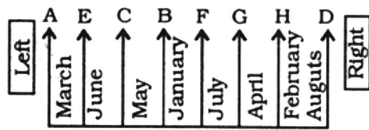
Only three persons - E, J, G or L, K, H - sit between Doctor F and Columnist M.

81–85. On the basis of given information and conclusions as well as sub-conclusions we can construct the following chart :

Day	Person	City
Monday	R	Jaipur
Tuesday	P	Chandigarh
Wednesday	T	Hyderabad
Thursday	W	Delhi
Friday	S	Kolkata
Saturday	Q	Chennai
Sunday	V	Bangalore

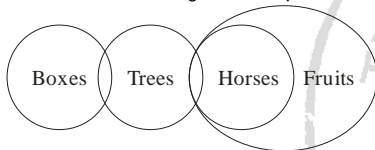
- 81. (2) Q left on Saturday.
- 82. (3) V left for Bangalore.
- 83. (4) T left on Wednesday.
- 84. (5) All combinations are correct.
- 85. (1) P left on Tuesday.
- 86. (4) The district authority sent a police team to nab the culprits. It shows that the Government is committed to provide protection to travellers across the country.
- 87. (1) All the three statements are probable causes of drop in sales of four wheelers during the past six months.
- 88. (4) All the three statements can be effective steps to reverse the trend.
- 89. (4) Option (4) contradicts the views expressed in the statement
- 90. (4) Obviously, option (4) is an assumption. Any appeal has some effects and people generally respond positively to any appeal.

91-93.



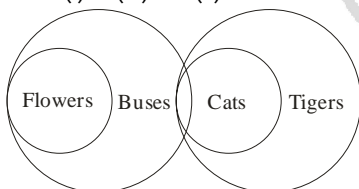
- 91. (4) H joins the office in February.
- 92. (1) C sits exactly between E and B. C joins in May.
- 93. (1) H is second to the right of the person who joins in July.
B is second to the right of the person who joins in June.
F is second to the right of the person who joins in May.

94. (3)



- I. ✗ ✓ II. ✓
 - III. ✗ II. ✓ ✗
- Either (I) or (IV) and (II) follows.

95. (4)



- I. ✓ II. ✗
- III. ✗ II. ✓

Only (I) and (IV) follows.

- 96. (4) Mustard is an oilseed (seed). Similarly, carrot is a modified root.
- 97. (2) Meaningful Word = REST
- 98. (4) Except Plate, all others are used for storing water (liquid).
- 99. (2) Except Mercury, all others are solid at normal room temperature. Mercury is liquid at normal room temperature.
- 100. (1) Except the number 217, all others are Prime Numbers.