

SBI PO Preliminary Grand Test –SPP-171208

HINTS & SOLUTIONS

ANSWER KEY

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

HINTS & SOLUTIONS

1. (3) Referring to the second paragraph of the passage we infer that sentences (II) and (III) are correct whereas other two are not the main causes of agricultural crises. Hence option (3) is correct.
2. (4) Referring to the fifth paragraph of the passage, we can conclude that only first two sentences are correct. Increasing land scarcity is not the risk and hence is not the correct answer. Hence option (4) is right choice.
3. (3) Refer to the last paragraph of the passage, "The cooperative approach also has its problems, such as internal conflict, free riding, etc., but farming communities have also found institutional solutions to these problems." Hence option (3) is correct.
4. (5) Referring to the sixth paragraph we can conclude that all the given sentences are correct.
5. (5) None of the above sentences forms a part of the passage. Hence option (5) is the right choice.
6. (2) The passage is all about the condition of small farmers in Indian economy. They get less benefit of their produce as compared to large traders which is the reason behind their

7. (3) agitation and suicides. Hence "The challenge of a small farmer economy" is an appropriate theme of the passage. Burgeoning means begin to grow or increase rapidly, flourish. Hence it has similar meaning as proliferate. Affluent means wealthy. Foster means promote, aid. Wary means careful.
8. (1) Precarious means not securely held or in position, dangerously likely to fall or collapse. Hence it has opposite meaning to Impregnable. Tenacious means persistent stubborn. Substantiate means to confirm, prove. Inevitable means unavoidable. Enervating means tiring.
9. (4) "to retain trust and credibility in this age of" is the correct phrase to make the sentence grammatically correct. If we go by the options considering their grammar syntax, option (4) fits into the sentence perfectly adding the required meaning to the sentence. Moreover, "in this age of anonymous communication" is the correct phrase usage which means "in this distinct period of anonymous communication". Hence (4) is the correct option.
10. (1) "Is it possible for" is the correct phrase to make the sentence grammatically correct. In the given sentence, the phrase "How it is" is incorrect as the sentence is Interrogative. When we go by options, all options except (1) have either wrong syntax or they are not in accordance with the meaning of the sentence. It is to be noticed that the sentence is in Simple Present Tense. Hence (1) is the most appropriate phrase.
11. (5) The given sentence is grammatically correct as the plural verb "are" is used in accordance to its plural subjects "continuity and change". Moreover, the phrase "with each other" is used to frame a relation with the two. Hence the sentence doesn't require any correction.
12. (2) "While cyberspace may have given" is the correct phrase to make the sentence grammatically correct. First of all, it is to be noted that the sentence is conditional as the second part of the sentence is dependent on the first part. When we consider options provided, options (1) and (4) can be easily eliminated as the use of "As" or "Since" is incorrect in this case ("As/Since" is generally used to express the cause of its dependent clause). Moreover, "while" is the correct usage as it means "in spite of the fact that; although". Hence only option (2) gives the appropriate and most convincing meaning to the sentence.
13. (5) The given sentence is grammatically correct as the sentence is not in Passive form. It clearly follows the syntax of Present Continuous Tense and the use of reflexive pronoun "itself" is correct as it is used for the subject "The Hermit Kingdom". Hence (5) is the correct option.
14. (4) "balancing, stress" is the correct set of words that fill the gaps adding meaning to the sentence.

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Balancing means counteract or equal the effect or importance of.

Stress means a state of mental or emotional strain or tension resulting from adverse or demanding circumstances.

15. (2) "rational, trend" is the correct set of words that make the sentence meaningful.

Rational means based on or in accordance with reason or logic.

Trend means a general direction in which something is developing or changing.

16. (1) "readiness, tread" is the correct set of words that make the sentence meaningfully correct.

Readiness means willingness to do something.

Tread means walk on or along.

17. (3) "reiteration, preamble" is the correct set of words that makes the sentence meaningfully correct.

Reiteration means the action of repeating something, typically for emphasis or clarity.

Preamble means a preliminary or preparatory statement; an introduction.

18. (2) "confined, phenomenon" is the correct set of words that make the sentence meaningful.

Confined means (of a space) restricted in area or volume; cramped.

Phenomenon means a fact or situation that is observed to exist or happen, especially one whose cause or explanation is in question.

- 19-23. The sequence after rearranging the sentences is DCFAEB.

19. (4) 20. (5)

21. (3) 22. (4) 23. (1)

24. (4) "welcome" is the word fits into the sentence perfectly and thus adding meaning to it as the word to the sentence means very pleasing because it is much needed or desired. Hence (4) is the correct option.

25. (5) The phrase "stressed stranded projects in the vexed power sector" in the sentence implies that it is the problem that the government has tried to sort-out. Hence the word "problem" fills the blank appropriately.

26. (2) "stranded" stands out to be the most suitable word that adds meaning to the sentence as the word means left without the means to move from somewhere. Hence (2) is the correct option.

27. (4) "reforms" is the correct word in context of its usage in the sentence as it means the action or process of reforming an institution or practice. Hence (4) is the correct option.

28. (1) "rampant" is the correct word as it means (especially of something unwelcome) flourishing or spreading unchecked. Other words alter the meaning of the sentence. Hence (1) is the correct option.

29. (4) "state power utilities" is the correct phrase in context of adding meaning to the sentence as the word "utility" means the state of being useful, profitable, or beneficial.

30. (3) "demand" is the correct word in context of its usage in the sentence as the word means pressing requirements. Hence (3) is the correct option.

31. (2) Increase in production of Car A = $18,000 \times \frac{1}{9} = 2,000$

Increase in production of Car D = $12,000 \times \frac{1}{12} = 1,000$

Total increase = $2,000 + 1,000 = 3,000$ cars

Desired percentage = $\frac{3,000}{80,000} \times 100 = 3.75\%$

32. (4) Number of cars A, C and E manufactured in 2013

= $75,000 - 20,000 - 10,000 = 45,000$

A : C : E = $2x : 3x : 4x$

$9x = 45,000$

$x = 5,000$

Number of cars manufactured in 2013

A = $2 \times 5,000 = 10,000$

C = $3 \times 5,000 = 15,000$

B = $10,000$

Average = $\frac{10,000 + 15,000 + 10,000}{3} = 11,666.67$

33. (1) Car produced by (A + B) in 2011 = $20,000 + 15,000 = 35,000$

Car produced by (A + B) in 2015 = $22,000 + 18,000 = 40,000$

percentage change = $\frac{40,000 - 35,000}{40,000} \times 100$

= $\frac{5,000}{40,000} \times 100 = 12.5\%$

34. (5) Number of cars A, C and E manufactured in 2013 = $75,000 - 30,000 = 45,000$

A : C : E = $4x : 3x : 2x$

Total = $9x = 45,000$

$x = 5,000$

A = $4 \times 5,000 = 20,000$

C = $3 \times 5,000 = 15,000$

E = $2 \times 5,000 = 10,000$

Total Cars manufacture A = $92,000$

Total Cars manufacture B = $86,000$

Total Cars manufacture C = $85,000$

Total Cars manufacture D = $87,000$

Total Cars manufacture E = $73,000$

2nd highest D = $87,000$

35. (3) Total cars in 2013 = $75,000$

Total cars B & D in 2013 = $30,000$

percentage change

= $\frac{75,000 - 30,000}{30,000} \times 100 = 150\%$

36. (5) Initial quantity of water in 60 gm mixture = 45 gm

After adding 15 gm water, required percentage = $\frac{60}{75} \times 100$

= 80%

37. (1) Let,

Maresh's present age = $3x$

Ajay's present age = $2x$

& Maresh's son age = x

ATQ,

$\frac{3x + 8}{2x + 8} = \frac{11}{8}$

$x = 12$ years.

38. (2)

A	B	C
2	3	5
$\times 10 \downarrow$	$\times 10 \downarrow$	$\times 10 \downarrow$
20	30	50
$+15\% \downarrow \uparrow$	$+10\% \downarrow \uparrow$	$+20\% \downarrow \uparrow$
23	33	60

= new salary

39. (2)

(9 days) A ← 16

(24 days) B ← 6

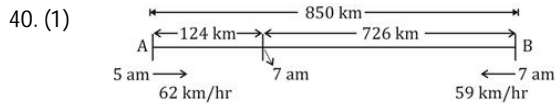
(16 days) C ← 9

→ 144

A + B + C $\xrightarrow{4 \text{ days work}}$ $4 \times 31 = 124$

Remaining work = 20

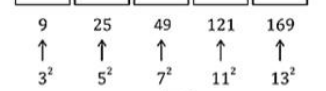
∴ required time = $\frac{20}{6} = 3.33$ days



\therefore Time taken in meeting = $\frac{726}{121} = 6$ hrs.

\therefore meeting time = 7 am + 6 hrs. = 1 pm

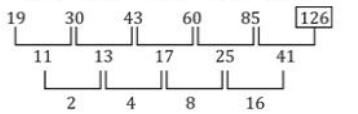
41. (3) $50 \quad 59 \quad 84 \quad 133 \quad 254 \quad 423$



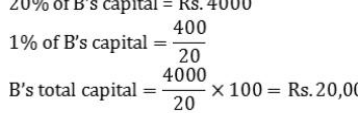
42. (3) $10 \quad 8 \quad 13 \quad 35 \quad 135 \quad 669$



43. (4) $5 \quad 10 \quad 20 \quad 40 \quad 80 \quad 160$



44. (3) $459 \quad 457 \quad 913 \quad 911 \quad 1821 \quad 1819$



45. (5) Total profit = Rs. 4000

According to the question,

20% of B's capital = Rs. 4000

1% of B's capital = $\frac{4000}{20}$

B's total capital = $\frac{4000}{20} \times 100 = \text{Rs. } 20,000$

Let total capital required for business = 100 units.

A : B : C

Capital 30 : 40 : 30

$\times 500 \quad \times 500 \quad \times 500$

15,000 : 20,000 : 15,000

Hence,

Required capital for C = Rs. 15,000

47. (4) Let amount invested in scheme A be x

$\frac{x \times 5 \times 3}{100} + \frac{(16000 - x) \times 8 \times 3}{100} = 3480$

x = Rs. 4000

48. (4) length = 6k $\rightarrow k = 34$

breadth = 5k

Perimeter = 2(6k + 5k)

= 22k = 22 \times 34

= 748 m

49. (2) No. of ways = $\frac{9!}{4! \times 2!} = \frac{9 \times 8 \times 7 \times 6 \times 5 \times 4!}{4! \times 2} = 7560$

50. (4) There can be three girls and one boy Or four girls and no boys

Probability = $\frac{{}^5C_3 \times {}^6C_1}{{}^{11}C_4} + \frac{{}^5C_4}{{}^{11}C_4} = \frac{60}{330} + \frac{5}{330} = \frac{13}{66}$

51. (2) Let time travel by A and B = t hour

Then required ratio = $\frac{800/t}{700/t} = 8 : 7$

52. (4) Average = $\frac{550 + 650 + 900}{3} = 700$

53. (3) Distance travel by C all over days

= 740 + 250 + 1150 + 700 + 660 = 3500 km

Distance travel by all vehicle on Wednesday

= 700 + 850 + 1150 + 250 + 525 = 3475 km

Difference = 25 km

54. (5) Ratio = $\frac{650+100+250}{525+440+900} = \frac{1000}{1865} = \frac{200}{373}$

55. (1) Distance travel by D and E on Friday = 1400 km

Distance travel by A, B and C on Tuesday = 1750

Required percentage = $\frac{350}{1750} \times 100 = 20\%$

56. (1) On solving these question

x = 6, y = - 2

$\therefore x > y$

57. (2) I. x = $\frac{1}{9} \cdot \frac{1}{2}$

II. y = $\frac{9}{2}, 2$

$\therefore y > x$

58. (2) I. x = -2, -3

II. y = 2, 3

$\therefore y > x$

59. (3) I. $x^{\frac{5}{2}} = (11)^{\frac{1}{2}} \cdot (5 + 6)^2 = 11^{\frac{5}{2}}; x = 11$

II. y = ± 11

x \geq y

60. (2) X = 1

y = 17

y > x

61. (4) 4734 - 3454 + 1236 - 1116 = ?

? = 1400

62. (4) $\frac{33 \times 2800}{550} + 122.45 + 9.45 = ?$

= 299.9 \approx 300

63. (1) $\sqrt{4500} \times (5.98)^2$

$\approx 67 \times 36 = 2412 \approx 2410$

64. (3) $(2)^{?+2} = \frac{512}{32} \times \frac{64}{128} \times 8$

= $\frac{2^9 \times 2^6 \times 2^3}{2^5 \times 2^7} = 2^{9+6+3-5-7}$

= 2^6

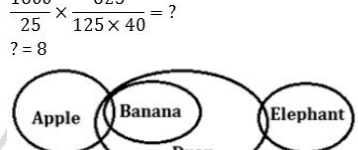
? + 2 = 6 \Rightarrow ? = 4

65. (2) $\frac{1600}{25} = ? \div [625 \div (125 \times 40)]$

$\frac{1600}{25} \times \frac{625}{125 \times 40} = ?$

? = 8

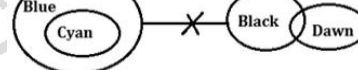
66-67.



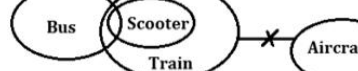
66. (2)

67. (3)

68. (5)



69-70.



69. (4)

70. (4)

71-75.

Step1: From the given definite conditions: - O lives just below A, who is a teacher of Reasoning. A does not work as a teacher in IBT and in IBS. There are three teachers living between A and C, who lives on an odd numbered floor. C lives on one of the floor below A, then from these conditions there will be two possible cases in which C lives, either on 1 st floor or on the 3 rd floor.

Case 1:

FLOOR	PERSON	SUBJECT	COACHING INSTITUTE
7			
6			
5	A	REASONING	IBT/IBS
4	O		
3			
2			
1	C		

Case 2:

FLOOR	PERSON	SUBJECT	COACHING INSTITUTE
7	A	REASONING	IBT/IBS
6	O		
5			
4			
3	C		
2			
1			

Step2: Now it is given that, M is a teacher in Paramount and lives on an even numbered floor immediate above D. D teaches Polity. So from this it is clear that the place of M can't be placed in case 1, so case 1 is eliminated and Case-2 is continued.

In case 2 M is placed on floor number 2 nd and D lives on the 1 st floor. Now it is given that N lives below O but not immediately below and is a teacher of Geography. The one who works in IBT teaches Economics and the one who works in IBT lives on an even numbered floor so O works as a teacher in IBT. B works in Mahendra, so B lives on 5 th floor. The one who work in Mahendra does not teach History. Now the one who is a teacher in KDK lives immediate below the one who teaches History, so M teaches history and D is a teacher in KDK.

Case 2:

FLOOR	PERSON	SUBJECT	COACHING INSTITUTE
7	A	REASONING	
6	O	ECONOMICS	IBT
5	B	History	MAHENDRA
4	N	GEOGRAPHY	
3	C		
2	M	History	PARAMOUNT
1	D	POLITY	KDK

Step 3: As it is given that, the one who works in Career Power lives above Career Launcher. N does not works in Career Power and in Career Launcher, so A works in Career power and C works in Career Launcher as a teacher and N works in IBS. The one who teaches English lives below N, so C teaches English subject and B teaches Mathematics.

Case 2:

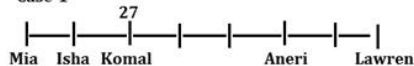
FLOOR	PERSON	SUBJECT	COACHING INSTITUTE
7	A	REASONING	CAREER POWER
6	O	ECONOMICS	IBT
5	B	MATHEMATICS	MAHENDRA
4	N	GEOGRAPHY	IBS
3	C	ENGLISH	CAREER LAUNCHER
2	M	History	PARAMOUNT
1	D	POLITY	KDK

71. (3)
73. (1)
76-80.

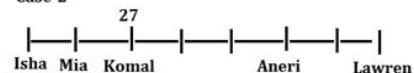
72. (2)
74. (4)
75. (5)

(i) From the given conditions, Aneri sits third to the right of the person whose birthday on 27th. Komal has a birthday on 27th. Lawren sits second to right of Aneri. Neither Isha nor Mia is an immediate neighbor of Aneri. Isha and Mia are immediate neighbors of each other, so four possible cases will be there:

Case-1



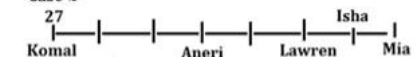
Case-2



Case-3

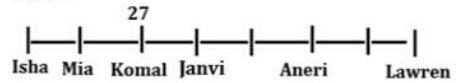


Case-4

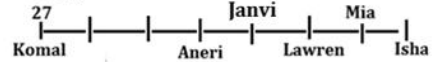


(ii) Only one person sits between Mia and Janvi, so case-1 and case-4 will be eliminated. Case-2 and case-4 will continue.

Case-2

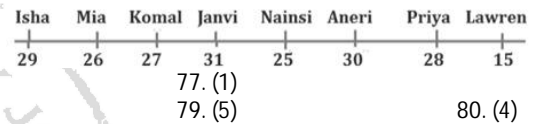


Case-3



(iii) Neither Isha nor Mia has a birthday on 31st. Priya sits third to the right of the person who has a birthday on 31st, Hence case-3 is eliminated. Now Priya's position will be fixed in case-2, she will sits immediate right of Aneri and Janvi has a birthday on 31st. Nainsi position will be fixed.

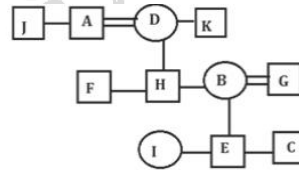
(iv) Only two people sit between Mia and the person whose birthday on 25th., so Nainsi birthday is on 25th. The person, whose birthday on 28th sits to the immediate left of Lawren, so Priya's birthday on 28. Lawren has a birthday on 15th. The one whose birthday on 26 is an immediate neighbour of Komal, so Mia has a birthday on 26. Aneri's birthday is after Isha's birthday according to given dates, so Isha's birthday on 29 and Aneri's birthday on 30.



76. (4)
78. (5)
81-83.

77. (1)
79. (5)

80. (4)



81. (4)
84-88.

82. (2)

83. (4)

p1: From the given definite conditions: - More than three boxes are kept above the box M. There are two boxes kept between box M and the box which contains Ferrero Rocher. There are two boxes are kept between A and M. A does not like Ferrero Rocher. Box D contains Dairy Milk and kept just below box A, who does not like KitKat and Five Star.

BOX	Confectionary Item
A	kitkat/Fivestar
D	DAIRY MILK
M	
	FERERO ROCHER

Step 2: From the given definite conditions: - Box N is kept immediately above O, which contains Bourneville so Box N is kept immediate below M. Box B contains Eclairs and kept above box P but below Box C, which does not contains snickers and KitKat, so box B is kept just above box M, and box C is kept above box A, and box P is kept below box O.

BOX	Confectionary Item
C	Snickers/Kitkat
A	kitkat/Fivestar
D	DAIRY MILK
B	ECLAIRS
M	
N	
O	BOURNVILLE
P	FERERO ROCHER

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Step 3: Now it is given that there are three boxes kept between the box which contains KitKat and the box which contains Five Star. Box A does not contain KitKat and Five-star, so Box C contains five-star and Box M contains KitKat. As it is given that Box N does not contain Snickers, so box A contains Snickers and box N contains Milky Bar. Hence we get our final arrangement.

BOX	Confectionary Item
C	FIVE STAR
A	SNICKERS
D	DAIRY MILK
B	ECLAIRS
M	KIT KAT
N	MILKY BAR
O	BOURNVILLE
P	FERERO ROCHER

- 84. (4)
- 85. (2)
- 86. (1)
- 87. (2)
- 88. (5)
- 89. (1)
- 90. (5)
- 91. (2)
- 92. (5) $B = E \leq A < Z = C$
- 93. (3) $G > I \geq F > U > J = K$
- 94-98.

(i) The one who gets 401 rank lives on 1st floor. Only three people live above the floor on which P lives, so P lives on 4th floor. Only one person lives between P whose rank is a perfect square which is divisible by 5 (225) and the one who belongs to Karnataka, hence there can be 2 possible cases : Only three people live between the ones who belong to Karnataka and Bihar.

(ii) The one who belongs to MP lives on an even numbered floor. U ,whose rank is a square of odd number (121) lives immediately below the one who belongs to MP, so P belongs to MP.

(iii) Only two people live between Q, whose rank is 132 and the one who belongs to WB. The one, who belongs to WB lives below the floor on which Q lives, hence Q lives on 6th floor this is the only possibility.

Floor	Person	State	Rank
7			
6	Q	Karnataka	132
5			
4	P	MP	225
3	U	WB	121
2		Bihar	
1			401

Case-1

Floor	Person	State	Rank
7			
6	Q	Bihar	132
5			
4	P	MP	225
3	U	WB	121
2		Karnataka	
1			401

Case-2

(iv) T lives immediately above R, T doesn't belong to Bihar, from this condition case-1 will be eliminated because there is no place for T but in case-2 T will live on 2nd floor. S does not live immediately above or immediately below P, so S lives on 7th floor and V lives on 5th floor.

(v) The one who belongs to UP does not live immediately above and immediately below Q, so R belongs to UP. V is not from Assam but the one who belongs to Assam gets 312 rank, S is from Assam and V is from AP. Rank of the

one who belongs to AP is 35 above than the rank of P, so V's rank is 260 and T's rank is 676. Finally we will get answer.

Floor	Person	State	Rank
7	S	Assam	312
6	Q	Bihar	132
5	V	AP	260
4	P	MP	225
3	U	WB	121
2	T	Karnataka	676
1	R	UP	401

- 94. (3)
 - 95. (4)
 - 96. (5)
 - 97. (4)
 - 98. (3)
 - 99. (2)
 - 100. (3)
- $X > P$
 $Q > Z$
 From statement I,
 $X > Q$
 (Either P or Z is shortest)
 From statement II,
 $Z > X$
 (P is shortest among them)
- $X > P$
 $Q > Z$
 From statement I,
 $X > Q$
 (Either P or Z is shortest)
 From statement II,
 $Z > X$
 (P is shortest among them)