SBI CLERK Preliminary Grand Test –SCP-180670
HINTS & SOLUTIONS

ANSWER KEY

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

HINTS & SOLUTION

1.(3)   'resembled' is the correct word to be replaced.
Impinged means have an effect, especially a negative one.

2. (3)   'Stability' is the correct word as this term is also used in following lines of the paragraph.
Fortitude means courage in pain or adversity.

3. (4)   'argued' is the correct word to be replaced.

4. (2)   'boost' is the correct word.

5. (1)   'important' best suits the purpose.

6. (1)   'splendid' best suits the purpose which means magnificent, very impressive.

7. (5)   No improvement is required here.

8. (2)   'sluggish' is the most appropriate word.

9. (3)   'growth' is the correct word making the sentence meaningful.

10. (5)   No improvement is required here.

11.(5)   It is one of the easiest questions to answer. Read the first paragraph carefully, the author has expressed it clearly that it is very difficult to determine when the fort was built. For reference, read the lines, "The Shash Fat'h-i-Kangra, which was written in the 17th century says of the fort: "It is very lofty and stands on a very high hill. Its buildings are very beautiful. It is so old that no one can tell at what period it was built." Hence option (5) is the correct choice.

12.(4)   To answer the correct order of occurrence of these events, one needs to read the passage thoroughly. The answer lies in the third and the fourth paragraphs of the passage. The first event, Shreshta, the king of Kashmir, attacked the Kangra Fort in 470 A.D. It should be followed by, After conquering the Kangra Fort, Jahangir ordered a palace to be built for him in 1622. Maharaja Ranjit Singh took the control of the fort after the death of Maharaja Sansar Chand in 1828. And lastly, The fort was taken over by the British after the Anglo-Sikh war in 1846. Thus, the correct sequence of events in the context of the passage is **DACB**. Hence option (4) is the correct choice.

13.(3)   It is to be noted that the questions related to inference always demand the hidden and intellectual meaning of the phrase and thus it should be in the context of statement as used in the passage by the author. It is, therefore, important to understand the context in which the given phrase is used. Among the three alternatives, both the first and the third statements can be considered the correct inferences to the highlighted sentence. Refer the second last paragraph, "Visitors should enter with their foot, not their head, he said, for if an enemy was lurking inside, it was wiser to lose one's foot rather than one's head!". The given sentence can be used to generate the exact meaning of the phrase. The second statement cannot be inferred because it is more a general or literal meaning which cannot be considered an inference. Hence option (3) is the correct choice.

14.(4)   All the given statements, except for (IV), are correct about the Kangra Fort. These statements can be found in the first and the last paragraphs of the passage. However, the fourth statement is incorrect as the Kangra Fort was not attacked more than 52 times; rather it was 52 times. To make a reference, read the sentence from the third paragraph, "Given Kangra's wealth plus the belief that whoever controls the fort controls the hills, it was attacked 52 times…". Hence option (4) is the correct choice.

15.(2)   The second paragraph of the passage is all about the stories behind the name of the fort. The author has exclusively mentioned that there are many interesting stories about why the place is called Kangra. Based on that, only the first and the second statements provide the correct stories in the context of the passage. However, the third story is ruled out as it is completely out of the context. Hence option (2) is the correct choice.

16.(5)   All the three statements are the correct reasons behind why the rulers of the past were so keen in taking the control of the fort which led it to be attacked 52 times. For the reference, read the sentence from the first paragraph, "Its unique position gave it many advantages, as the vertiginous cliffs made the fort mostly inaccessible — the only way in was from the land side of the town." This makes the first reason contextually correct. Similarly, the next two reasons can be derived from the third paragraph, "The much-revered idol in the fort has received rich offerings. Given Kangra's wealth plus the belief that whoever controls the fort controls the hills, it was attacked 52 times…" Hence option (5) is the correct choice in the context of the passage.

17.(4) The word "**vertiginous**" as used in the passage means **extremely high or steep**. Thus, among the given alternatives, both the words "**steep**" and "**sky-high**" can be used as replacements to the given word. The word "**steep**" means **(of a slope, flight of stairs, or angle) rising or falling sharply;almost perpendicular**. The other word "**sky-high**" means **as if reaching the sky; very high**. However, the word "**punitive**" also means **extremely high**, but the word is generally used to denote **of a tax or other charge**. Hence option (4) is the correct choice in the context of the passage.

18.(1) The question requires the thorough understanding of the passage and the style of writing as the author has used. Among the given three alternatives, the last two statements are out of the context as the author has not mentioned the significance of rocks either as the architectural beauty or the geological existence of the fort anywhere in the passage. However, refer the last sentence of the passage, "I turned around and faced old, mute rocks — the only spectators to all the events of the past." This makes the first statement a correct choice. Hence option (1) is the correct choice in the context of the passage.

19.(2) To answer such questions, one needs to understand that the question demands both the synonym and the antonym of the given word respectively as a pair. The word "**Grandeur**" means **splendour and impressiveness, especially of appearance or style**. Thus, among the given pairs and in the context of the passage, "**magnificence**" is the most appropriate similar word to it and at the same time "**insignificance**" is the most appropriate opposite word. The other pairs cannot be derived correctly in the context of the usage of the highlighted word in the passage. Hence option (2) is the correct choice.
Dignity means the state or quality of being worthy of honour or respect.
Insignificance means too small or unimportant to be worth consideration.
Morality means a particular system of values and principles of conduct.
Elevation means the action or fact of raising or being raised to a higher or more important level, state, or position.

20.(1) Let's find out the exact meaning of the word "**wresting**" as used in the passage. The word "**wresting**" means **taking (something, especially power or control) after considerable effort or difficulty**. Thus, among the three alternatives, only the first sentence provides the exact meaning of the word contextually. Hence option (1) is the correct choice.
Seize means take forcible possession of.
Bereave means be deprived of a close relation or friend through their death.
Inherit means receive (money, property, or a title) as an heir at the death of the previous holder.

21. (1) Replace 'among' with 'between' as we use among to talk about things which are not clearly separated but here there is talk for two companies.

22.(2) Replace 'underwent' with 'undergone' as third form of the verb is to be used here with has.

23. (2) Replace 'detail' with 'detailed'.

24. (3) Replace 'less' with 'least' here the use of least will be correct because 350 billion is the minimum requirement.

25.(1) In place of 'no' use 'any' as the use of lack is already negative.

26.(3) Substitute 'forgotten' in place of 'forgot'.

27. (4) Substitute 'rethinking' in place of 'rethink'.

28. (2) Substitute 'is' in place of 'are'.

29. (1) Use 'eminent' before not only.

30. (3) Substitute 'make' in place of 'making'.

31.(3) Series
$+2×3, +5×7, +11×13, +17×19$
$\Rightarrow 521 + 23 × 29 = 1188$

32.(5) Series
$×\frac{1}{2}, ×\frac{2}{3}, ×\frac{3}{4}, ×\frac{4}{5}, ×\frac{5}{6}$
$= 24 × \frac{4}{5}$
$= 19.2$

33.(1) Series is
$+4×8, +5×7, +6×6, +7×5, +8×4$
$\Rightarrow 169 + 8 × 4 = 201$

34.(2) Series is
$×0+1, ×1+2, ×2+3, ×3+4, ×4+5$
$31 × 4 + 5 = 129$

35.(4) $+1^1, +2^2, +3^3, +4^4, +5^5$
$20 + 3^3 = 47$

36. (5) Length of rectangle
$= \frac{42}{2} - 8.5$
$[\because P = 2(L + B)]$ [where P is perimeter, L is length and B is breadth]
$\Rightarrow L = \frac{P}{2} - B$
$= 12.5$ metre
Area of rectangle $= 12.5 × 8.5$
$= 106.25$ sq. metre
$=$ Area of circle

37. (2) The word VIRTUAL consists of 7 distinct letters.
$\therefore$ Required number of arrangements $= 7!$
$= 7 × 6 × 5 × 4 × 3 × 2 × 1$
$= 5040$

38. (2) let the no. be x.
$\therefore$
$x[\frac{45}{100} + \frac{20}{100}] = 4056$
$\Rightarrow x = 6240$
Therefore,
85% of x $= \frac{85}{100} × 6240 = 5304$

39. (2) C.P. of article
$= 7500 × \frac{100}{75}$
$=$ Rs 10000
S.P. for a gain of 25%
$= \frac{10000 × 125}{100} =$ Rs 12500

40. (2) Part of the tank filled in 1 hour
$= \frac{1}{10} + \frac{1}{16} - \frac{1}{32}$
$= \frac{16 - 10 - 5}{160} = \frac{21}{160}$
$\therefore$ Tank will be filled in $\frac{160}{21}$
$= 7\frac{13}{21}$ hours

41.(3) Rice imported by India in 2017
$= \frac{120}{100} × 120 = 144$ MT
Tea imported by India in 2017
$= \frac{144}{2} × 1 = 72$ MT
Export of India in 2017 $= 5000 + 240 = 5240$ MT
Import of India in 2016
$= 120 + \frac{72}{40} × 100$
$= 300$
Required sum $= 5240 + 300$
$= 5540$

42.(1) Total import of Japan in 2016
$$= \frac{30}{100} \times 2735 = 820.5 \text{ MT}$$
Let import of Rice in 2016 is 'x' MT
So Import of Tea in 2016 → 820.5 – x MT
ATQ,
$$\frac{180 \times x}{100 \times (820.5 - x)} = \frac{360}{347}$$
x = 300
rice imported by Japan in 2017 $= \frac{180}{100} \times 300$
= 540

43.(3) Let Rice import in 2016 and tea import in 2017
of each countries is x and y respectively.
Let Rice and Tea imported by China in 2016 is 5a & 7a
ATQ,
x = 5a
$$y = \frac{7a \times 40}{100} = \frac{28a}{10} = 2.8a$$
Total rice imported in 2017
$$\Rightarrow \frac{5a \times 120}{100} + \frac{5a \times 110}{100} + \frac{5a \times 80}{100}$$
$$+ \frac{5a \times 100}{100} + \frac{5a \times 90}{100} + \frac{5a \times 180}{100}$$
$$\Rightarrow 6a + 5.5a + 4a + 5a + 4.5a + 9a = 34a$$
Total tea imported in 2016
$$= \frac{2.8a}{40} \times 100 + \frac{2.8a}{70} \times 100 + 7a + \frac{2.8a}{140} \times$$
$$100 + \frac{2.8a}{125} \times 100 + \frac{2.8a}{100} \times 100$$
$$= 7a + 4a + 7a + 2a + 2.24a + 2.8a$$
$$= 25.04a$$
Required ratio $\Rightarrow \frac{34a}{25.04a} = \frac{425}{313}$

44.(4) Total export by US = 3860 MT
Total export by Brazil = 4210 MT
Required% $= \frac{4210 - 3860}{4210} \times 100$
$$= \frac{350}{4210} \times 100$$
approximately 8%

45.(5) Export of rice of India in 2016
$$= \frac{5000}{125} \times 100 = 4000 \text{ MT}$$
Export of Rice of India in 2018
$$= \frac{5000 \times 106}{100} = 5300 \text{ MT}$$
Increased export = 1300 MT
China export tea to Brazil in 2017
$$= \frac{220 \times 50}{100} = 110 \text{ MT}$$
Tea imported by Brazil in 2016
$$= \frac{110}{125} \times 100$$
= 88 MT
Required% $= \frac{1300}{88} \times 100$
$$= 1477\frac{3}{11}\%$$
$$= 1477\frac{3}{11}\%$$

46. (4) $7\frac{1}{3} \times 2\frac{2}{11} + ? = 5\frac{5}{7} \times 11\frac{3}{8}$
$$\frac{22}{3} \times \frac{24}{11} + ? = \frac{40}{7} \times \frac{91}{8}$$
16 + ? = 65
? = 65 – 16 = 49

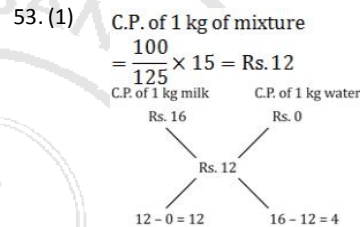**47. (3)** ? + 4.022 = 7.07 + 5.05 + 1.001
? = 13.121 – 4.022
? = 9.099

48. (2) $\frac{0.6 \times 72 \times 5}{0.9} = ? + 176$
240 – 176 = ?
? = 64

49. (5) $\sqrt{? + 108 + 119} = 14 + 6 + \frac{2}{3} + \frac{1}{3}$
$$\sqrt{? + 227} = 21$$
? + 227 = 441
? = 214

50. (2) ? + 72% × 340 = 54% × 720
? = 388.8 – 244.8
? = 144

51. (3) Let Bina's monthly income be Rs. x.
∴ Anita's monthly income
$$= x \times \frac{100}{90} = \text{Rs.} \frac{10x}{9}$$
Mr. Sen's monthly income
$$= \frac{775200}{12} = \text{Rs. } 64,600$$
$$\therefore \ x + \frac{10x}{9} = 64,600$$
$$\Rightarrow \frac{9x + 10x}{9} = 64,600$$
$$\Rightarrow 19x = 64,600 \times 9$$
$$\therefore x = \frac{64600 \times 9}{19} = \text{Rs. } 30,600$$

52.(3) If A = x, then E = x + 8
∴ x + x + 8 = 2 × 46
⇒ 2x + 8 = 92
⇒ 2x = 92 – 8 = 84
∴ x = 42
∴ The largest number = x + 8
= 42 + 8 = 50

53. (1) C.P. of 1 kg of mixture
$$= \frac{100}{125} \times 15 = \text{Rs.} 12$$

C.P. of 1 kg milk   C.P. of 1 kg water
Rs. 16   Rs. 0

Rs. 12

12 – 0 = 12   16 – 12 = 4

Required ratio = 12 : 4 = 3 : 1

54.(4) Rate of population growth = R% per annum (let)
$$\therefore P = P_0 \left(1 + \frac{R}{100}\right)^T$$
$$\Rightarrow 30976 = 25600\left(1 + \frac{R}{100}\right)^2$$
$$\Rightarrow \frac{30976}{25600} = \left(1 + \frac{R}{100}\right)^2$$
$$\Rightarrow \frac{121}{100} = \left(1 + \frac{R}{100}\right)^2$$
$$\Rightarrow \left(\frac{11}{10}\right)^2 = \left(1 + \frac{R}{100}\right)^2$$
$$\Rightarrow \frac{11}{10} = 1 + \frac{R}{100}$$
$$\Rightarrow 1 + \frac{1}{10} = 1 + \frac{R}{100}$$
$$\Rightarrow \frac{R}{100} = \frac{1}{10} \Rightarrow R = \frac{100}{10}$$
= 10% per annum

55.(2) A's 1 day's work $= \frac{1}{24}$
A's 8 day's work $= \frac{8}{24} = \frac{1}{3}$
Remaining work $= 1 - \frac{1}{3} = \frac{2}{3}$
Time taken by B in $\frac{2}{3}$ work = 12 days
∴ time taken in doing whole work by B
$$= \frac{12 \times 3}{2} = 18 \text{ days}$$
∴ (A + B)'s 1 day's work
$$= \frac{1}{24} + \frac{1}{18} = \frac{3 + 4}{72} = \frac{7}{72}$$
∴ Required time $= \frac{72}{7}$
$$= 10\frac{2}{7} \text{ days}$$

56. (2)   **I.** $a^2 - 11a + 24 = 0$
$a^2 - 8a - 3a + 24 = 0$
$a(a-8) - 3(a-8) = 0$
$(a-8)(a-3) = 0$
$a = 8, 3$
II. $b^2 + 3b - 18 = 0$
$b^2 + 6b - 3b - 18 = 0$
$b(b+6) - 3(b+6) = 0$
$(b-3)(b+6) = 0$
$b = 3, -6$
$a \geq b$

57. (5)   **I.** $2a^2 + 17a + 35 = 0$
$2a^2 + 10a + 7a + 35 = 0$
$2a(a+5) + 7(a+5) = 0$
$(2a+7)(a+5) = 0$
$a = \dfrac{-7}{2}, -5$
II. $3b^2 + 17b + 24 = 0$
$3b^2 + 9b + 8b + 24 = 0$
$3b(b+3) + 8(b+3) = 0$
$(b+3)(3b+8) = 0$
$b = -3, -\dfrac{8}{3}$
$b > a$

58. (2)   **I.** $a^2 + 72 = 108$
$a^2 = 108 - 72 = 36$
$a = \pm 6$
II. $b^3 + 581 = 365$
$b^3 = -216$
$b = -6$
$a \geq b$

59. (1)   **I.** $2a + 3b = 72$ ...(i)
II. $a + 2b = 42$ ...(ii)
On solving (i) & (ii)
$a = 18$
$b = 12$
$a > b$

60. (2)   **I.** $a^2 - 14a + 48 = 0$
$a^2 - 8a - 6a + 48 = 0$
$a(a-8) - 6(a-8) = 0$
$(a-8)(a-6) = 0$
$a = 8, 6$
II. $b^2 - 10b + 24 = 0$
$b^2 - 6b - 4b + 24 = 0$
$b(b-6) - 4(b-6) = 0$
$(b-4)(b-6) = 0$
$b = 4, 6$
$a \geq b$

61. (2) $\dfrac{240}{100} \times 400 + 1296 - \dfrac{60}{100} \times 2000 \approx 625 + ?$
$960 + 1296 - 1200 - 625 = ?$
$? = 431$

62. (4) $2500 \approx ? + 900 - 256 + 1600$
$? = 2500 - 2244$
$? = 256$

63. (5) $484 + 192 - 115 - (?)^2 \approx 32$
$561 - (?)^2 = 32$
$(?)^2 = 529$
$? = 23$

64. (5) $\dfrac{360}{?} \approx (9)^3 - \dfrac{29}{2} \times 40 + (2)^2 - 81$
$\dfrac{3670}{?} = 729 - 580 + 4 - 81$
$? = \dfrac{360}{72}$
$? = 5$

65. (4) $\sqrt{430 + 520 + \sqrt{121}} \approx (?)^2 + \sqrt{36}$
$\sqrt{430 + 520 + 11} = (?)^2 + 6$
$31 - 6 = (?)^2$
$? = 5$

66. (3)   **67.** (1)

68-69.

Symbol	Means
#	>
$	≥
@	=
©	<
%	≤

68. (4)   Statement = R > J ≥ D = K ≤ T
69. (1)   Statement = T ≤ R ≥ M = D < H
70. (4)   For M ≤ K to be true, the missing sign should be either '=' or '≥'.
For L > P to be true, the missing sign should be either of '=, or > or ≥'
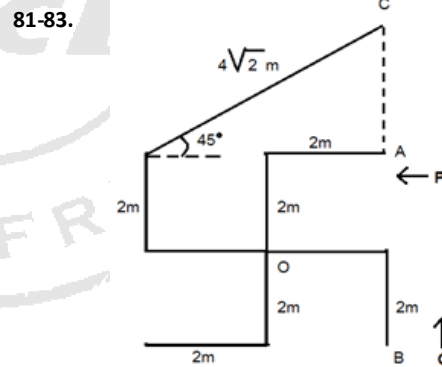On combining, the missing sign should be either '=' or '≥'.

71-75.

Husband	wife	Restaurant	Food
A	G/H	Harish bakery	Uttapam/Idli
O	H/G	Harish bakery	Idli/Uttapam
V	Z	Sagarratna	Uttapam
I	L	Haldiram	Dosa
E	J	Bikaner	Dosa
U	K	South indian point	Vada

71. (4)   **72.** (3)
73. (1)   **74.** (1)   **75.** (4)

76-80.

Name	Class	Floor
A	Second	II
B	Sixth	IV
C	Fourth	III
D	Eighth	I
E	Fifth	V
F	Third	VII
G	Ninth	VI

76. (3)   **77.** (1)
78. (2)   **79.** (2)   **80.** (3)

81-83.

81. (3)   **82.** (4)   **83.** (4)

84-85.

84. (5)   **85.** (2)

86-90.

86. (3)   87. (2)
88. (1)   89. (1)   90. (4)
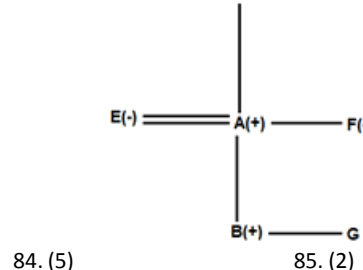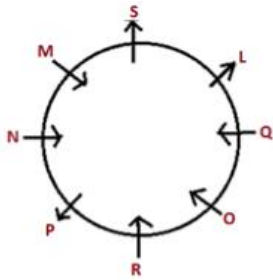
91-95.

Student	Fruit	Team
W	Orange	Football
Q	Mango	Cricket
S	Banana	Cricket
T	Papaya	Football
P	Strawberry	Hockey
U	Litchi	Football
V	Apple	Hockey
R	Guava	Hockey

91. (1)   92. (3)
93. (4)   94. (5)   95. (5)

96.(3) In the row there are 10 girls and 9 boys and no two girls are standing together so both the extreme position occupied by a girl and there are 9 places for the boys in between the girls.

G B G B G B G B G B G B G B G B G B G
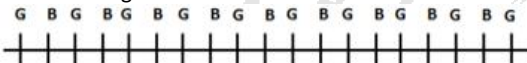
According to the given condition, if all the boys are removed then Shubha is 7th from the right end it means 6 boys and 6 girls are placed on the right of Shubha So Shubha is placed 13th from the right side.

G G G G G G G G G G
             Shubha

As stated Shubha is standing 4th to the left of Anju, so Anju is 9th (13-4=9) from the right side.

Anju's position from the left side = T − R + 1 = 19 − 9 + 1 =11

G B G B G B G B G B G B G B G B G B G
         Shubha   Anju
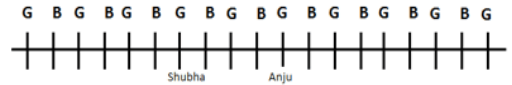
97.(5) Grandfather's only son means Father,
Father's son means Brother. But gender of Raju is not defined so we can not conclude how raju is related to his brother.

Grand father   Grand father
     | or |
    Son   Father
     | |
    Raju   Son ── Raju
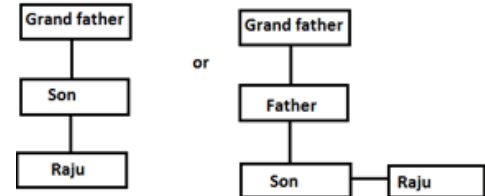
98-100.

word	Code
manage	fr
gathering	ch
expert/exam	es/pt
to	re
nominate	gi
chairman	yu
Evening/in	ba/mo
persons	dv

98.(4)   99.(2)
100.(3)