SBI Clerk Preliminary Grand Test –SCP-180334
HINTS & SOLUTIONS

ANSWER KEY

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

HINTS & SOLUTIONS

1. (4) Refer the first paragraph of the passage "Although the future trajectory of its AI revolution remains to be seen, China is rapidly building momentum to harness the power of state support and the dynamism of private enterprises in a new model of innovation." Hence both the options are correct.

2. (4) Sentence (d) is best among the other options. Refer the second paragraph of the passage.

3. (3) Refer the first few lines of the fourth paragraph "The decision to develop this AI plan appears to have been catalyzed in part by AlphaGo's triumph over Go world champion Lee Sedol in March 2016, which has been characterized as a "Sputnik moment" for China."

4. (3) "China's AI agenda advances" is an appropriate title of the passage. The passage is about the China's plan to progress in the field of AI.

5. (5) All the given sentences are correct. Refer the last paragraph of the passage.

6. (4) Sentence (d) is not true as AlphaGo is designed and developed by U.S not China.

7. (2) Pioneer means develop or be the first to use or apply (a new method, area of knowledge, or activity). Hence it has the same meaning as establish.

8. (4) Hyped means promote or publicize (a product or idea) intensively, often exaggerating its benefits. Hence it has the same meaning as publicise.

9. (5) Harness means control and make use of (natural resources), especially to produce energy. Hence it has the opposite meaning to underuse.

10. (2) Catalyze means cause to begin. Hence it has the opposite meaning to repress.

11. (1) *Option (a)* is the correct choice to make the sentence grammatically and contextually correct. " *workout"* is a *noun* which means *a session of vigorous physical exercise or training*, thus, making the sentence contextually incorrect. However, " *working out* " means *(of an equation) be capable of being solved.* Thus, option (a) becomes the most suitable choice to replace the incorrect phrase given in bold.

12. (3) *"To look blue"* is a phrasal verb which means *to look sad*, therefore, it doesn't provide the correct contextual meaning to the sentence. Whereas, *"to look down upon"* means *to consider someone or something lesser or inferior in some way.* Thus, it provides the most appropriate meaning to the sentence. However, other phrases given in options *"to look forward"* means *to feel happy and excited about something that is going to happen*; *"to look up to"* means *to admire and respect someone ; "to look after"* means *to take care of.* Hence, the only correct option that provides the most comprehensible meaning to the sentence is *option (c)* i.e., "look down upon".

13. (1) The given phrase in bold fails to make the sentence grammatically correct. Therefore, the phrase that shall replace the bold phrase is *"lifts up".* " *to lift up"* means *to fill with high spirits; fill with optimism.* However, only *option (a)* along with contextual meaning satisfies the grammatical syntax of the sentence. Thus, it becomes the most viable answer choice.

14. (4) *Option (d)* is the correct choice as it provides the sentence a complete coherent meaning. *"to go through"* is a phrasal verb which means *to undergo through a difficult period, situation or experience.* All the other given options fail to fit into the context of the sentence.

15. (2) *Option (b)* is the correct choice. Usage of *"get over"* phrasal verb is incorrect here as it means *to overcome (a difficulty).* However, *"Ran across"* means *to find something or to meet someone by chance.* Thus, it gives the most meaningful and logical context to the sentence.
Get through means *to pass or assist someone in passing (a difficult or testing experience or period).*
Get rid of means *to take action so as to be free of (a troublesome or unwanted person or thing).*

16. (5) *Option (e)* is the correct choice. The sentence with the phrase given in bold is already correct both contextually as

well as grammatically. *"Broke out"* is referred *for a war, fighting, or similarly undesirable things that started suddenly which is perfectly providing meaning to the sentence.* However, *"break off"* means *abruptly stop talking* and *"broke through"* means *to make or force a way through (a barrier).* Thus, they fail to make the sentence logically meaningful. Therefore, option (e) is the correct choice as the sentence doesn't require any improvement to make it correct.

17. (1) *Option (a)* is the correct choice. To make the sentence grammatically correct replace the given phrase in bold with option (a) i.e., *"in arousing"*. It is to be noted that to make the syntax of the sentence grammatically viable the verb *"succeed"* should always be followed by *[in + V4(= 4th form of verb)].* Hence, option (a) supplements the sentence with correct grammatical structure for the sentence making it the correct choice.

18. (3) *Option (c)* is the correct choice. The given phrase *"being viable and consumes less"* should be replaced with *"is viable and consumes less"* to make the sentence grammatically correct. All the other given options fail to fit into the sentence in a coherent manner.

19. (1) The given phrase in bold should be replaced with the *option (a) i.e., "admitted to hospital". It is to be noted that the article in the given phrase should be omitted as places like hospital, temple, jail, prison, school, college etc., do not require any article if the places are used for the specific purpose for which they are meant to be.* Hence, with the rationale provided *option (a)* is the correct choice.

20. (2) Replace *"would have to be"* with *"used to be"* to make the sentence contextually correct as whenever there is *a reference of an activity in past "used to be" is used to make the sentence grammatically correct.* Hence, *option (b)* is the correct choice.

21. (3) *Option (c)* is the correct choice. *Statement (B)* being the first statement clearly depicting the theme of the paragraph after rearrangement which articulates *about the award given by Supreme Court on the controversy of the distribution of the Cauvery tribunal between Tamil Nadu and Karnataka.* However, All the statements are completely comprehending with the theme of the paragraph except for statement (G). *Statement (G)* is simply describing *an event in the sequence of the controversy occurred in 1988.* Nonetheless, it fails to connect logically with the paragraph. Therefore, option (c) becomes a viable answer choice.

22. (1) *Option (a)* is the correct choice. Being *statement (F)* the last one, *its mentioning about the supreme court's verdict to both the states about the dispute on the distribution of Cauvery water.* Thus, the next statement should *include the opinions and reactions of both the states regarding the verdict.* Such information is only provided in option (a). All the other options do not logically follow the last statement i.e., statement (F) as they all are *either describing a previous event of the verdict or fail to be interlinked with the theme of the paragraph.* Hence, only option (a) is a viable choice.

23. (2) *Option (b)* is the correct choice. The correct sequence of the paragraph after rearrangement is *BDECAF*. Only *statements (E) and (C)* can be logically and meaningfully interlinked with each other. As, *statement (E) is describing about the rivers being the national assets,*

whereas, *statement (C)* is describing about *the principle which should be used for equitable distribution of inter-state rivers.* Thus, together both the statements provide a coherence to the paragraph. Although, all the other statements belong to the same theme of the paragraph, the given combinations fail to be the consecutive statements. Thus, option (b) is the most suitable choice.

24. (4) *Option (d)* is the correct choice. Here, *statement (D)* is providing *the information on the verdict given by the Supreme Court.* Only *option (d)* is providing the similar *information on the supreme court's decision.* All the other options are giving a further detailed information on the verdict. Hence, the only sentence that can replace statement (D) is option (d) making it a feasible choice.

25. (5) *Option (e)* is the correct choice. If statement (B) is the first and statement (F) is the last statement, the statements in the sequence *BDECAF* form a coherent paragraph which is about *the supreme court's verdict on the controversy of the distribution of Cauvery water between the states Tamil Nadu and Karnataka.* Therefore, option (e) becomes the most appropriate answer choice.

26. (2) The word *"scintillating"* means *sparkling or shining brightly*. Thus, the word fits perfectly into both the blanks and gives a meaningful sense to both the sentences which is not the case with the other given words. Hence option (b) is the correct choice.
Witty means showing or characterized by quick and inventive verbal humour.
Intense means of extreme force, degree, or strength.
Animated means full of life or excitement; lively.

27. (4) The word *"delectable"* means *extremely attractive*. Thus, the word fits perfectly into both the blanks and gives a meaningful sense to both the sentences which is not the case with the other given words. Hence option (d) is the correct choice.
Unsavory means disagreeable to taste, smell, or look at.
Nauseating means causing or liable to cause a feeling of nausea or disgust; disgusting.
Delish means delicious.
Aerial means existing, happening, or operating in the air.

28. (1) The word *"jaunt"* means *a short excursion or journey made for pleasure*. Thus, the word fits perfectly into both the blanks and gives a meaningful sense to both the sentences which is not the case with the other given words. Hence option (a) is the correct choice.
Wend means go in a specified direction, typically slowly or by an indirect route.
Junction means a place where two or more roads or railway lines meet.

29. (2) The word *"disposition"* means *a person's inherent qualities of mind and character; temperament*. Thus, the word fits perfectly into both the blanks and gives a meaningful sense to both the sentences which is not the case with the other given words. Hence option (b) is the correct choice.
Penchant means a strong or habitual liking for something or tendency to do something.
Preference means a greater liking for one alternative over another or others.

30. (3) The word *"indomitable"* means *impossible to subdue or defeat*. Thus, the word fits perfectly into both the blanks and gives a meaningful sense to both the sentences which

is not the case with the other given words. Hence option (c) is the correct choice.

Yielding means (of a substance or object) giving way under pressure; not hard or rigid.

Defiant means showing defiance.

Anticipatory means happening, performed, or felt in anticipation of something.
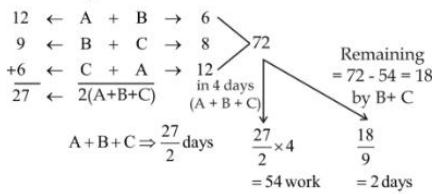
31. (3) Let Speed of stream be x kmph.

ATQ,

$$\frac{21}{5.5 + x} = \frac{12}{5.5 - x}$$
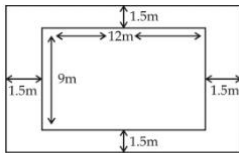
$38.5 - 7x = 22 + 4x$

$16.5 = 11x$

$x = 1.5$ kmph

32. (5)

B and C will complete the remaining work in 2 days

33. (1)

Area of rectangular path = [15 × 12] – [12 × 9]

= 180 – 108 = 72 m²

34. (4) Required probability = $\frac{^{12}C_2 + ^{36}C_2}{^{52}C_2} = \frac{116}{221}$

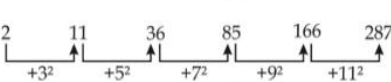**35. (3)** Let population of city A be x

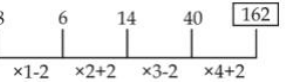$$x \times \frac{110}{100} \times \frac{88}{100} = \frac{1}{7} \times 13552$$

x = 2000

36. (2)
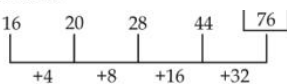
37. (2)
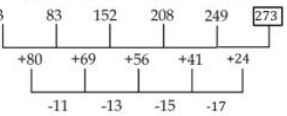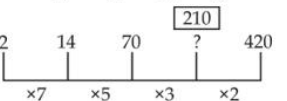

38. (4)

39. (5)

40. (3)

41. (3) $3.5 \times 18 - (?)^2 = 36 + 2$

$63 - 38 = (?)^2$

$25 = (?)^2$

? = 5

42. (2) $? = \frac{2975}{1190}$

? = 2.5

43. (2) $\frac{25 \div 4 \times 6}{3} = ?$

? = 12.5

44. (3) $(390 + 310 - 225) \ 4 = ?$

$(700 - 225) \ 4 = ?$

$475 \times 4 = ?$

? = 1900

45. (5) $9 \times 25 + 1225 + 150 = (?)^2$

$225 + 1225 + 150 = (?)^2$

$? = \sqrt{1600}$

? = 40

46. (1) Total no. of girls = $\frac{40}{100} \times 1200 = 480$

Total no. of boys = $\frac{60}{100} \times 1200 = 720$

Total boys passed = $\frac{75}{100} \times 720 = 540$

Total students passed = $\frac{80}{100} \times 1200 = 960$

Total girls passed = 960 – 540 = 420

47. (2) Let Ram's present age be x, his son's age be y, his father's age be z.

ATQ,

x = 3y

$x = \frac{2}{3}z$

$\frac{x + y + z}{3} = 34$

$x + \frac{x}{3} + \frac{3}{2}x = 102$

$6x + 2x + 9x = 102 \times 6$

$17x = 102 \times 6$

x = 36

$y = \frac{x}{3} = 12$

$z = \frac{3}{2}x = \frac{3}{2} \times 36 = 54$

⇒ y - z = 54 – 12 = 42 yrs

48. (3) Let speed of boat in still water be x km/hr and speed of stream be y km/hr

ATQ,

$$\frac{56}{x + y} + \frac{56}{x - y} = 22$$

$56 \left[\frac{1}{x + y} + \frac{1}{x - y} \right] = 22$ ... (i)

Also,

$$\frac{21}{x + y} = \frac{12}{x - y}$$

$7x - 7y = 4x + 4y$

$3x = 11y$

$y = \frac{3}{11}x$ ... (ii)

From (i) & (ii)

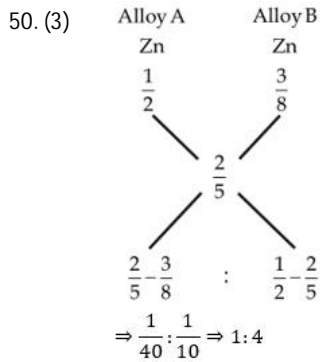$$56 \left[\frac{1}{x + \frac{3}{11}x} + \frac{1}{x - \frac{3}{11}x} \right] = 22$$

$$56 \left[\frac{11}{14x} + \frac{11}{8x} \right] = 22$$

$$\frac{56 \times 11}{2} \left[\frac{1}{7x} + \frac{1}{4x} \right] = 22$$

$14 \times \frac{11}{28x} = 1$

$x = \frac{11}{2} = 5.5$ km/h

49. (1)

Remaining milk in the container

$$= x\left[1 - \frac{y}{x}\right]^n$$

Where, x = Initial quantity of milk
And, y = Quantity of milk taken out

$$= 60\left[1 - \frac{6}{60}\right]^3$$

$$\Rightarrow 60 \times \frac{9}{10} \times \frac{9}{10} \times \frac{9}{10} = 43.74 \text{ litre}$$

50. (3)

Alloy A   Alloy B

Zn   Zn

$$\frac{1}{2} \qquad\qquad \frac{3}{8}$$

$$\frac{2}{5}$$

$$\frac{2}{5} - \frac{3}{8} \quad : \quad \frac{1}{2} - \frac{2}{5}$$

$$\Rightarrow \frac{1}{40} : \frac{1}{10} \Rightarrow 1 : 4$$

51. (3)

Students who play violin $= \frac{25}{100} \times 1200 = 300$

Students who play Tabla $= \frac{10}{100} \times 1200 = 120$

$$Required\ percentage = \frac{(300 - 120)}{120} \times 100$$

$$= \frac{180}{120} \times 100 = 150\%$$

52. (1)

$$Required\ Ratio = \frac{\frac{35}{100} \times 1200 + \frac{17}{100} \times 1200}{\frac{13}{100} \times 1200 + \frac{25}{100} \times 1200} = \frac{52}{38} = 26 : 19$$

53. (2)

$$Required\ Value$$

$$= \frac{\frac{17}{100} \times 1200 + \frac{13}{100} \times 1200 + \frac{35}{100} \times 1200}{3}$$

$$= \frac{204 + 156 + 420}{3}$$

$$= \frac{780}{3} = 260$$

54. (4)

$$Required\ Percentage =$$

$$\frac{\left(\frac{17}{100} \times 1200 + \frac{10}{100} \times 1200 + \frac{13}{100} \times 1200\right)}{\frac{35}{100} \times 1200 + \frac{25}{100} \times 1200} \times 100$$

$$= \frac{(17 + 10 + 13)}{(35 + 25)} \times 100 = \frac{40}{60} \times 100 = \frac{200}{3}\%$$

$$= 66\frac{2}{3}\%$$

55. (1)

$$Required\ Difference$$

$$= \frac{(35 + 17) \times 12}{2} - \frac{(10 + 13 + 25) \times 12}{3} =$$

$$\frac{52 \times 12}{2} - \frac{48 \times 12}{3}$$

$$= 26 \times 12 - 16 \times 12$$

$$= 120$$

56. (1)

Let, amounted invested by A, B and C is 'a', 'b' and 'c' respectively.

ATQ.

a + c = 2b   ...(i)
a + b = 3c   ...(ii)

on solving (i) & (ii) we get

4a = 5b & 3b = 4c

⇒ a : b : c

   5 : 4 : 3

Ratio of profit

A	:	B	:	C
5×6	:	4×9	:	3×12
5	:	6	:	6

B's profit $= \frac{6}{17} \times 3400 = 1200$

57. (5)

Let, Number of males in village = x

And, number of females in village = y

ATQ,

x + y = 4500   ..(i)

1.15x + 1.25y = 5325   ...(ii)

On solving (i) & (ii)

X = 3000, y = 1500

Required % $= \frac{3000}{1500} \times 100 = 200\%$

58. (2)

Volume of spherical ball = Volume of 2 cylinder

$$\frac{4}{3} \times \pi \times (12)^3 = 2 \times \pi \times 8^2 \times h$$

⇒ h = 18 cm

59. (2)

Let speed of man in still water be S_B km/hr and speed of stream be S_s km/hr

$$\frac{30}{S_B - S_S} + \frac{44}{S_B + S_S} = 10$$

$$\frac{40}{S_B - S_S} + \frac{55}{(S_B + S_S)} = 13$$

Take $\frac{1}{S_B - S_S} = a, \frac{1}{S_B + S_S} = b$

30a + 44b = 10   ...(i)

40a + 55b = 13   ...(ii)

On solving (i) and (ii)

$S_B = 8$ km/hr

60. (5)

Let wine and water be 5x litre and x litre respectively

Now, $\frac{5x}{x + 5} = \frac{5}{2} \Rightarrow 10x = 5x + 25$

x = 5

⇒   25 : 5 | 25 : 10

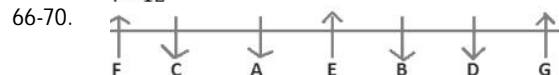   Before mixture | After mixture

Quantity of wine = 25ℓ

61. (1)

$34 \times 2 \times 31 \times \frac{1}{31} = ? -30.$

? = 68 + 30

? = 98

62. (3)

101 + 154 + 26 = 281

63. (2)

$15.5 \times 28 \times \frac{1}{112} + 1230 \times \frac{1}{240} = ? \times \frac{1}{5}$

$\frac{31}{8} + \frac{41}{8} = ? \times \frac{1}{5}$

$? = \frac{72}{8} \times 5$

? = 45

64. (4)

$9 \times 17 + \frac{13}{9} \times 378 - 241 = ?$

? = 153 + 546 - 241

? = 458

65. (3)

$\frac{1}{8} \times 928 - \frac{1}{7} \times 980 + 144 \times \frac{1}{4} = ?$

116 - 140 + 36 = ?

? = 12

66-70.

F	C	A	E	B	D	G

66. (4)   67. (2)

68. (1)   69. (5)   70. (3)

71. (5)   X >P>Q>U>V>T/Z>Z/T
72. (5)   X >P>Q>U>V>T/Z>Z/T

73-75.

Lane number	Sellers	Stationery items
1	T	Erasers
2	R	Notebook
3	V	Textbook
4	S	Pens
5	U	Pencils

73. (5)   74. (2)   75. (1)

76-80.

Months	Persons
March (31)	R
April (30)	P
May (31)	T
June (30)	W
July (31)	S
August (31)	U
September (30)	Q
October (31)	V

76. (4)   77. (2)
78. (3)   79. (5)   80. (3)

81-82.

L(-)══H(+)──K(+)══R(-)
             │
S(+)══O(-)──P(+)══J(-)

81. (5)   82. (3)
83. (5)

84. (2)

85. (5)

86-90.

86. (3)   87. (2)
88. (4)   89. (2)   90. (2)
91. (1)   92. (4)
93. (4)   94. (3)   95. (2)
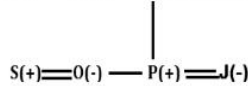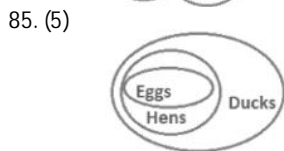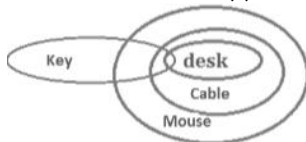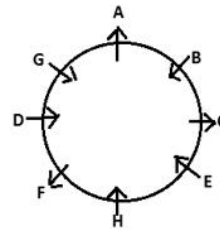
96-100.

FLOOR	TEACHER	SCHOOL
9	G	Ryan International
8	D	St. Mary's
7	I	SPS
6	F	BPS
5	A	K. V.
4	H	Evergreen
3	B	EPS
2	C	St. Xaviers
1	E	Father Agnel

96. (3)   97. (5)
98. (4)   99. (4)   100. (4)