SBI CLERK Preliminary Grand Test –SCP-180661

HINTS & SOLUTIONS

ANSWER KEY

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

HINTS & SOLUTIONS

1. (2) Replace 'on Mumbai recently' with 'in Mumbai recently'
2. (3) Replace 'are highly uneven' with 'is highly uneven'
3. (2) Replace 'are been infected' with 'are being infected'
4. (5) No correction required.
5. (3) Replace 'likely to' with 'likely to be'
6. (1) The error is in part (b) of the sentence.
   'flowed' will be used in place of 'flown' as the V3 of 'flow' is 'flowed'.
7. (2) The error is in part (b) of the sentence.
   'was' will be used in place of 'is' as the sentence is in past tense 'said'.
8. (5) The error is in part (d) of the sentence. Therefore none of these is the correct choice. Use 'with' in place of 'by' as 'by' is used before 'agent' while 'with' is used before 'instrument/ tool'.
   Ex. A snake was killed by him.
   The paper was cut with scissors.
9. (2) The error is in part (b) of the sentence.

'are' will be used in place of 'am' because when two pronouns is connected with 'and' then plural verb is used.
Ex. You and I are working for him.
He and she are husband and wife.

10. (2) The error is in part (b) of the sentence.
   Preposition 'to' is used after 'objected' as when 'object' is used in the form of 'verb' to express the meaning as 'to protest/ mind/ demur', then preposition 'to' is used after that.

11. (3) Refer to the third paragraph of the passage. "Cash surplus at face value to arrive at the total value of the company."

12. (4) Refer to the first paragraph of the passage. "To value cash there is no need to use complex methodologies such as discounted cash flow (DCF) or to make complex assumptions such as growth rate or discount rate."

13. (4) Sentence (1) and (2) are not correct according to the passage.

14. (2) Valuing large cash surplus at face value without a specific investment plan is the possible exception to the rule of valuation.

15. (2) Refer to third last paragraph of the passage. "Then comes the complex question of how to value cash, which is larger than cash surplus in the normal course of business, nor held for a specific investment and the consideration for transfer of cash is not paid in cash."

16. (3) **Exemption** means the action of freeing or state of being free from an obligation or liability imposed on others. So, concession is the word which is similar in meaning to it.

17. (4) **Extremely** means to a very great degree. So, highly is the word which is similar in meaning to it.

18. (2) **Vaguer** means of uncertain, indefinite, or unclear character or meaning. So, ambiguous is the word which is similar in meaning to it.

19. (2) **Magnitude** means the great size or extent of something. So, size is the word which is similar in meaning to it

20. (5) **Assumption** means a thing that is accepted as true or as certain to happen. So, doubt is the word which is opposite in meaning to it.

21. (4) 'path' is the correct word as the sentence is talking about the difference between the two i.e. knowing the path and walking the path.

22. (3) 'challenges' best suits the purpose.
   Venture means a risky or daring journey or undertaking.

23. (2) 'happiness' is the most appropriate word for the blank as it is going similar in meaning with success and joy.

24. (2) 'leads' is the correct word making the sentence meaningful as it clearify the interlink of success, joy and happiness

25. (3) 'eludes' is the most appropriate word.
Rattles means make or cause to make a rapid succession of short, sharp knocking sounds.
Swerves means change or cause to change direction abruptly.

26. (5) No improvement is required here.

27. (2) 'life' is the most appropriate word to be replaced as paragraph is all about the life and its challenges.

28. (3) 'wind' best suits the purpose as the sentence is comparing the 'joy' with feather that free flows in wind, not in orbit or circle.

29. (4) 'internal' best suits the purpose as the sentence tells about the properties of joy.

30. (5) No correction is required here.

31. (2) ? = 1656

32. (3) ? = 31 × 5 + 41 × 11 − 5 × 79
= 606 − 395
= 211

33. (3) ? = 738 + 236 − 874 = 100

34. (1)
$$? = \frac{(0.7^2 + 0.7 \times 0.3 + 0.3^2)}{(0.7^3 - 0.3^3)}$$

$$? = \frac{(0.7^2 + 0.7 \times 0.3 + 0.3^2)}{(0.7 - 0.3)(0.7^2 + 0.7 \times 0.3 + 0.3^2)}$$

$$? = \frac{1}{(0.7 - 0.3)}$$

$$= \frac{10}{4}$$

$$= 2.5$$

35. (4)
$$? = \frac{3}{4} \times \frac{4}{27} \times \frac{18}{11} \times 2673$$
$$= 2 \times 243$$
$$= 486$$

36. (1) Volume of sphere = volume of rectangular block
$$\frac{4}{3}\pi (radius)^3 = length \times breadth \times height$$
$$\frac{4}{3}\pi (radius)^3 = 21 \times 77 \times 24$$
$$(radius)^3 = \frac{21 \times 77 \times 24 \times 3 \times 7}{4 \times 22}$$
$$(radius) = \sqrt[3]{7 \times 7 \times 7 \times 3 \times 3 \times 3}$$
Radius = 7 × 3 = 21 cm

37. (1)

Share Ratio	A	:	B	:	C
	500 × 12	:	400 × 10	:	800 × 6
	15	:	10	:	12

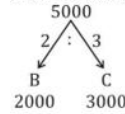A's share $= \frac{15}{37} \times 444 = 180$

B's share $= \frac{10}{37} \times 444 = 120$

C's share $= \frac{12}{37} \times 444 = 144$

38. (2) Investment of A = 1000
So, Investment of B + C = 6000 − 1000
5000
2 : 3
B　　C
2000　　3000
So,

A	:	B	:	C
1000	:	2000	:	3000
1	:	2	:	3	= 6

So, profit of $C = \frac{3}{6} \times 2400 = 1200$

39. (1)

A	:	B	:	C
8	:	9		
		3	:	4
8	:	9	:	12

8x : 9x : 12x
∴ 8x × 12x = 2400
$$x^2 \Rightarrow \frac{2400}{12 \times 8}$$
x = 5
∴ B ⇒ 9 × 5 = 45

40. (3) From the discount he buys the pen
∴ If marked price of book = Rs. x
$$\therefore \frac{16}{100} \times x = 80$$
x = Rs. 500
Now, the pay for the book
$$= 500 \times \frac{84}{100} = Rs. 420$$

41. (4) Required average
$$= \frac{350 + 460 + 280 + 420 + 540}{5}$$
$$= \frac{2050}{5} = 410$$

42. (5) Total number of student studying I.T
= 370 + 450 + 430 + 325 + 300
= 1875
Required percentage $= \frac{450}{1875} \times 100 = 24\%$

43. (3) Required ratio
$$= \frac{370 + 290}{525 + 315} = \frac{660}{840}$$
$$= \frac{11}{14}$$

44. (2) Students studying C.E from GITM & IIT = 1075
Students studying EE from GITM & IIT = 860
Required percentage $= \frac{1075-860}{860} \times 100$
= 25%

45. (2) Required average
$$= \frac{280 + 345 + 430 + 225 + 440}{5}$$
$$= \frac{1720}{5} = 344$$

46. (4)
$$\frac{0.6 \times 660}{16} \times 4 = ? \times 9$$
$$? = \frac{99}{9} = 11$$

47. (2)
$$\frac{57 \times 15}{45} - 55 + 217 = ?$$
? = 19 − 55 + 217 = 181

48. (3) 75% × 320 + $\frac{100}{300}$ × 270 = ? × 3
$$? = \frac{240 + 90}{3} = 110$$

49. (5) $\quad ? \times \dfrac{8}{3} = 7 + \dfrac{1}{3} + 10 + \dfrac{1}{6} - 5 - \dfrac{1}{2}$

$? \times \dfrac{8}{3} = 12$

$? = \dfrac{12 \times 3}{8} = 4\dfrac{1}{2}$

50. (1) $\quad 48\% \times 280 + 36\% \times 260 = ? \times 6$

$? = \dfrac{134.4 + 93.6}{6} = \dfrac{228}{6}$

$? = 38$

51. (2) Let principal = P,

r = 10%

T = 3 years

ATQ,

$P\left(1 + \dfrac{10}{100}\right)^3 = 5324$

$P\left(\dfrac{100 + 10}{100}\right)^3 = 5324$

$P\left(\dfrac{110}{100}\right)^3 = 5324$

$P = 4000$

52. (3) $\quad 20\% = \dfrac{1}{5}$

	Initial	Final
Price	5	6
Consumption	×6 −1	×5
Expenditure	30	30

Required rate = 1 : 6

53. (3) We can infer that train crosses only platform not its length in (25 −15) = 10 seconds

Speed of the train

$= \dfrac{100 \text{ metres}}{10 \text{ sec}} = 10 \text{ m/s}$

∵ Train crosses the pole in 15 seconds

We know that when train crosses a pole/tree/man in these cases it covers the distance equal to its length.

Therefore,

Length of train = 15 × 10 = 150 metres.

54. (4) Let side of square be x

Area of square = x^2

Side of new formed square = x + 50% of x = 1.5x

Area of new formed square = $(1.5x)^2$

$= 2.25x^2$

Ratio of the area

(new square) : area of (original square)

$= 2.25x^2 : x^2$

$= 9 : 4$

55. (3)

Total capacity
6

efficiency → 3 / 1

hours → 2 (A)   6 (B)
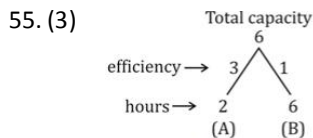
Pipe A will fill 3 units till 11 am.

Remaining capacity = 6 − 3 = 3 units

Now both pipes will fill the tank in

$\dfrac{\text{remaining capacity}}{\text{Efficiency}} = \dfrac{3}{(3+1)} = \dfrac{3}{4}$ hours

So, $\left(11 + \dfrac{3}{4}\right)$ am, tank will be filled

= 11 : 45 A.M.

56. (2) The pattern is $+1^2, +3^2, +5^2, +7^2, +9^2$ ……

57. (1) The pattern is −2, −4, −6, −8, −10, …..

58. (4)

7   39   76   120   173   [237]

+32   +37   +44   +53   +64

+5   +7   +9   +11
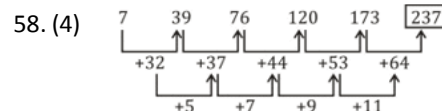
59. (2) The pattern is −29, −27, −25, −23, ……

60. (4) The pattern is +17, +18, +19, +20, ….

61. (2) $\quad \dfrac{87}{100} \times 4000 - 725 \approx \dfrac{25}{100} \times ?$

$? \approx (3480 - 725) \times \dfrac{100}{25}$

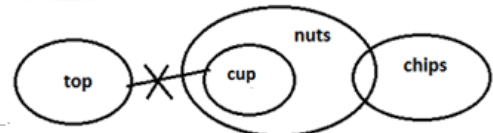$? \simeq \dfrac{2755}{25} \times 100 = 110.2 \times 100 = 11{,}020$

62. (1) $\quad 125 + 100 + 40 \simeq \dfrac{1024}{32} \times 4 + ?$

$? = 265 - 128$

$= 137$

63. (2) $\quad 60 \times 5 \times 15 \simeq ? + 2300 - 1000$

$? = 4500 - 2300 + 1000$

$? = 3200$

64. (5) $\quad ? \simeq \dfrac{2}{5} \times 525 + \dfrac{3}{7} \times 168 - \dfrac{4}{5} \times 225$

$? = 2 \times 105 + 3 \times 24 - 4 \times 45$

$? = 210 + 72 - 180 = 102$

65. (1) $\quad \sqrt{?} + \dfrac{36}{100} \times 350 - 16 \times 23 \simeq -196$

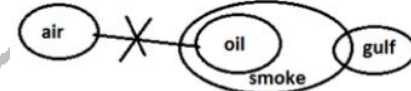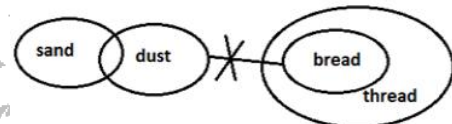$\sqrt{?} + 126 - 368 = -196$
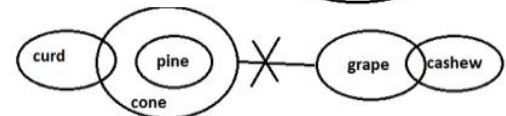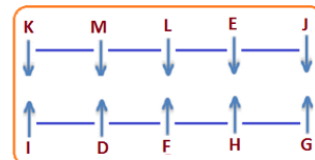
$\sqrt{?} = 46$

$? = 2116$

66. (2)

67. (4)

68. (1)

69. (4)

70. (4)

71 – 75.

71. (2)

72. (3)

73. (2)

74. (1)

75. (1)

76 – 80.

76. (3)
77. (5)
78. (3)
79. (4)
80. (1)

81 – 85.

Floor	Person	City
7	W	Kernal
6	V	Satna
5	Z	Rewa
4	U	Kurukshetra
3	X	Chandigarh
2	Y	Allahabad
1	T	Bokaro

81. (4)
82. (4)
83. (3)
84. (4)
85. (3)
86. (4) Number/letter Symbol Letter/Number 9 $ F, 3 & D and 8% V
87. (3) After dropping all the symbols from the arrangement
    C O M 3 D 2 E K 9 F N I T 4 1 U W H 8 V J 5 Y 6 7 Z
    So, I is the 12th from the left.
88. (2) *7Z
89. (5)
90. (1) Tenth to the right of the Twenty first element from the right end.
    i.e. Eleventh from the right and = H
91. (2) I. M > R (False)   II. S > Q (True)
92. (4) I. F ≥ E (False)   II. E < F (False)
93. (4) I. R > N (False)   II. N < S (False)
94. (5) I. D < A (True)   II. A > C (True)
95. (3) I. N > S (False)   II. N = S (False)

96-100.

Each	Ka
You	Ja
Us/of	Lu/hu
Earn	La
Salary	ju
The	Fu
Maximum	fa

96. (2)
97. (5)
98. (5)
99. (2)
100. (3)