SBI Clerk Previous Year Mock 2016 on 1st July 2021 (Solutions)

REASONING ABILITY

Direction (1-5)

1. **(a):** M 7, Y 3, H 5

2. **(b):** 7 Σ , 2 =, 9 ©

3. **(b):** 4th to the Left - 17th from the left=13th from the left=E

4. **(c):** 2E....4©**G**

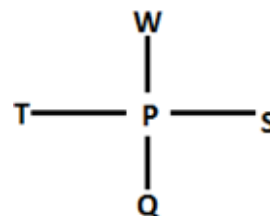5. **(d):** 5th to the right – 13th from the right= 8th from the right=T

Direction (6-10)

6. **(a);** $D > C = E (True)$ $B \geq C = E (False)$

7. **(b);** S=Q≥P(False)   S=Q>M≥N(True)

8. **(d);** $V = S (False)$ $Q > M (False)$

9. **(a);** $S \geq V = U > T (True)$ $V \geq Q (False)$

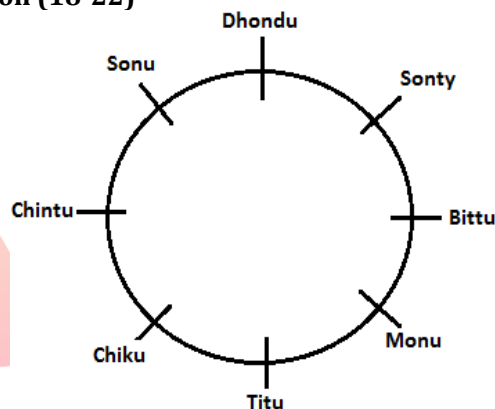10. **(a);** E = J > L≥ W(True)   M ≥ N > R > W≤ L(False)

Direction (11-15)

11. **(b);** Only 385 will be divisible by 3 when added 2 on first digit of each number.

12. **(c);** 864 521 743 853 962

13. **(a);** 8÷4=2

14. **(e);** 786 614 539 487 398

15. **(a);** 864 152 347 845 926

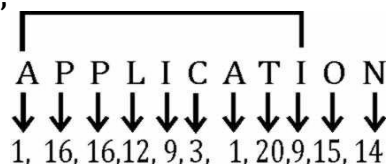**Direction (16-17)**

16. (a);   17. (b);

Direction (18-22)

18. (b);   19. (a);   20. (c);

21. (d);   22. (c);

Directions (23-27)

Floor	Person
7	I
6	Q
5	R
4	P
3	M
2	S
1	L

23. (b);   24. (c);   25. (d);

26. (a);   27. (c);

28. (a);

A P P L I C A T I O N
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
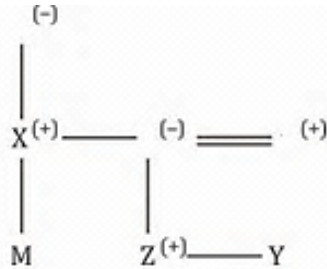1, 16, 16,12, 9,3, 1, 20,9,15, 14

29. (a);   30. (a);

31. (b); Opposite Letter according to English alphabetical series.
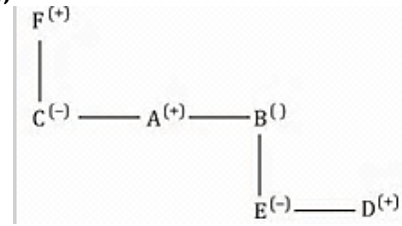
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C O M B I N E          T O W A R D S
↓ ↓ ↓ ↓ ↓ ↓ ↓          ↓ ↓ ↓ ↓ ↓ ↓ ↓
X L N Y R M V          G L D Z I W H
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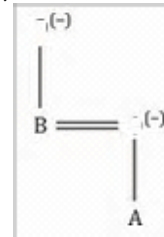**32. (e;** L=15th sifted 6 place to right 15+6=21st R=(37-21)+1=17

33. (b);

34. (a);

35. (a);

QUANTITATIVE APTITUDE

36. (a); $81.2 + 52.2 = 133.4$

37. (a); $66.6 + 99.9 = 166.5$

38. (c); $149834 - 85973 = 63861$

39. (b); $33^{?+1} = 33^{7.8+1.2-5}$
∴ ? $= 9 - 5 - 1 = 3$

40. (d); $?^2 = 529 \times 324$
∴? $= 23 \times 18 = 414$

41. (d); Total No. of crimes in HP = 36903

42. (b); Ratio = 210 : 520
= 21 : 52

43. (e); $= \frac{2117 + 14220}{16}$
$= \frac{16337}{16}$
≈ 1021

44. (b); Required $= \frac{628}{1577} \times 100$
= 39.82%

45. (c); Required difference = 1577 – 1432 = 145

46. (c); ?= 7682 – 4909 = 2773

47. (b); $\sqrt{?} = \sqrt{2601} - 14 = 51 - 14 = 37$
? = 1369

48. (c); $\frac{85}{100} \times 420 + \frac{x}{100} \times 1080 = 735$
⇒ x = 35

49. (d); 980

50. (b); ? = 367.5 – 355.2
= 12.3

51. (a); Let Required quantity $= x$
$\frac{21}{9+x} = \frac{3}{2}$
$42 = 27 + 3x$
$3x = 15$
$x = 5$

52. (e); Let sum $= x$
$x \times \frac{15}{12} \times 7.5 \times \frac{1}{100} - x \times 12.5 \times \frac{8}{12} \times \frac{1}{100}$
$= 3250$
$\frac{3}{32}x - \frac{x}{12} = 3250$
$\frac{9x - 8x}{96} = 3250$
$x = 96 \times 3250$
$x = 312000$

53. (a); Let men's 1 day work $= x$
Let women's 1 day work $= y$
$4x + 3y = \frac{1}{6}$ ....(i)
$5x + 7y = \frac{1}{4}$ ....(ii)
∴ By solving eqn. (i) and (ii) —
$y = \frac{1}{78}$ $x = \frac{5}{156}$
∴Required days $= \frac{1}{\frac{1}{78} + \frac{5}{156}} = \frac{1}{\frac{2+5}{156}} = \frac{156}{7} = 22\frac{2}{7}$

54. (c); Let B invested money for x months.
∴ $5 \times 7 : 7 \times x = 1 : 2$
∴ $35 : 7x = 1 : 2$
$7x = 35 \times 2$
$x = 10$ months

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55. (a); Let initial men = 100

Lost in war = $\frac{10}{100} \times 100 = 10$

Lost in diseases = $\frac{10}{100} \times 90 = 9$

Disables = $\frac{81}{100} \times 90 = 8.1$

∴ Remaining men = 72.9

When 72.9 remaining total men = 100

When 729000 remaining total men
= 1000000

56. (a); When compounded yearly,

Student = 200

When compounded half – yearly

r = 2%, n = 2

∴ interest = 202

∴ difference = 202 – 200 = 2

57. (d); speed of john = 30 km/hr

Speed of max = 40 km/hr

Let distance b/w p and m = x km

$\frac{650-x}{30} = \frac{x}{40} + 3$

7x = 2240

x = 320 km

58. (b); Let Boys = x

Girls = y

∴ $23.25 = \frac{(30x+20y)}{x+y}$

$23.25x + 23.25y = 30x + 20y$

$6.75x = 3.25y$

$\frac{x}{y} = \frac{13}{27}$

59. (c); Cost Price = $1080 \times \frac{88}{100} \times \frac{100}{108} = 880$

60. (b); $\frac{4}{5} = 80\%$

(80 – 45) = 35% of the no. = 56

65% of the no. = $\frac{56}{35} \times 65 = 104$

61. (b) $\frac{24}{u} + \frac{54}{v} = 6 \ldots \ldots \ldots (1)$

$\frac{36}{u} + \frac{48}{v} = 8 \ldots \ldots (2)$

eqn (1) × 3 – eqn (2) × 2

$\frac{72}{u} + \frac{162}{v} = 18$

$\frac{72}{u} + \frac{96}{v} = 16$

$\frac{66}{v} = 2$

$v = 33$

Put in the eqn (1)

$\frac{24}{u} + \frac{54}{33} = 6$

$u = 5.5$

∴ Speed of the man in still water

= $\frac{33+5.5}{2} = \frac{38.5}{2} = 19.25$ kmph

62. (d); $\frac{x - \frac{25x}{100}}{y + \frac{250y}{100}} = \frac{6}{5}$

$\frac{75x}{350y} = \frac{6}{5}$

75x = 420y

$\frac{x}{y} = \frac{420}{75}$

$\frac{x}{y} = \frac{28}{5}$

63. (b); Required area = $\frac{22}{7} \times 7 \times 7$

= 154 cm2

64. (b); Since winning candidate and his rival got 70% of total votes.

∴ 34 + 36 = 70

Required minimum margin = 36 − 34 = 2

65. (d); Net Change = $20 - 25 - \frac{25 \times 20}{100}$

= 0 – 5 – 5

= – 10%

66. (a); ÷ 2 – 1 = 23, ÷ 2 – 1 = 10.5, ÷ 2 – 1 = 4.25……

67. (a); 2 + 13 = 15, 15 + 26 = 41, 41 + 39 = 80, 80 + 52 = 132

∴ 132 + 65 = 197

68. (a); 51975 ÷ 11 = 4725, 4725 ÷ 9 = 525, 525 ÷ 7 = 75, 75 ÷ 5 = 15, 15 ÷ 3 = 5

69. (b); 4 + 15 = 19, 19 + 30 = 49, 49 + 60 = 109, 109 + 120 = 229

70. (b); 840 ÷ 1 = 840, 840 ÷ 2 = 420, 420 ÷ 3 = 140, 140 ÷ 4 = 35, 35 ÷ 5 = 7

71. (d); Refer to the last paragraph, ''you are the only person who can influence your happiness, your realization and your success.''

72. (e); Refer to the last paragraph, "the most important relationship you can have is the one you have with yourself.''

73. (d); Refer to second paragraph, ''there was a mirror inside the coffin: everyone who looked inside it could see himself''.

74. (e); they were excited about the identity.

75. (c); Refer to the second paragraph it is explained there that they were shocked to see the mirror.

76. (c); Thrill means cause (someone) to have a sudden feeling of excitement and pleasure hence delight is most similar in meaning.

77. (b); influence means the capacity to have an effect on the character, development, or behaviour of someone or something, or the effect itself hence domination is the word most similar in meaning.

78. (c); Revolutionize means a forcible overthrow of a government or social order, in favour of a new system hence uprising is the word most similar in meaning.

79. (a); Funeral means a ceremony or service held shortly after a person's death, usually including the person's burial or cremation hence nativity is the word most opposite in meaning.

80. (e); hindered means make it difficult for (someone) to do something or for (something) to happen hence expedite is the word most opposite in meaning.

FOR questions(81-85);The correct sequence is DACBEF

81. (e); D

82. (a); A

83. (d); C

84. (a); B

85. (e); F

86. (a); Remove 'suppose'.

87. (a); Remove 'that'.

88. (e); No error.

89. (c); Remove 'the'

90. (d); Use 'profoundly' in place of 'profound'.

91. (c); Change 'impac' into 'impact'

92. (d); Change 'requited' into 'required'

93. (e);

94. (b); Change 'willingly' into 'willing'

95. (a); Change 'halve' into 'half'

96. (b);

97. (c);

98. (d);

99. (b);

100.(e);