

IBPS Clerk Preliminary Grand Test –ICP-181119

HINTS & SOLUTIONS

ANSWER KEY

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

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- 1.(4) Use 'had' in place of 'has' as the reporting speech 'he found' is in the past.
- 2.(3) 'not only' should be used before 'from'.
- 3.(1) Use 'other' after 'no'.
- 4.(3) Use of 'with you' is superfluous here.
- 5.(2) Use 'has been' instead of 'had been'.
- 6.(5)
- 7.(2) **Compulsion** means the action or state of forcing or being forced to do something; constraint. **Persuasion** means the action or process of persuading someone or of being persuaded to do or believe something.
- 8.(4) In the first filler (1), (3), (4) are fit in the 2nd filler only (2) and (4) can fit.
- 9.(2) Commendable means deserving praise.
- 10.(1) In first filler (1) and (5) are can be used but in the other only (1) and (2) can fit.
11. (2) Refer to paragraph1 of the passage, we can easily conclude that the investigators didn't have any hint of the place about which conversation was going on between the don and the broker, in fact they were surprised to know about their operation being conducted from that faraway place.

12. (2) Read the passage carefully, it can be easily inferred that only option (2) is incorrect in the context of the passage, remaining four statements are completely true.
13. (3) Refer to paragraph 2 of the passage, it is clearly mentioned that the pope started his criminal career by joining imertis a "respected family" involved in the "Second 'Ndrangheta," War in which almost 500 people were killed between 1985 and 1991.
14. (4) Read paragraph3 of the passage carefully, it is clearly mentioned that both Giuseppe Pensabene and EmanueleSangiovanni were part of Northern Italy's criminal organization since long and they had various links in different countries to execute their operations and gain funding.
15. (5) Read paragraph4 of the passage, it can be inferred that the arrest of EmanueleSangiovanni along with 38 other people helped the Italian investigators in tracking various links of these two people and their associates. It helped the investigators in knowing about the growth of their network from a tiny office to cocaine trafficking in different parts of the world.
16. (1) In context of the passage, as compared to other options, option (1) seems to be the most appropriate title for the given passage.
17. (2) Haunted means showing signs of mental anguish or torment. Hence it has same meaning as tormented.
18. (4) Focused means pay particular attention to. Hence it has opposite meaning to concentrated.
19. (3) Launder means conceal the origins of (money obtained illegally). Hence it has opposite meaning as approve.
20. (1) Accomplished means highly trained or skilled in a particular activity. Hence it has opposite meaning as incompetent.

21-25. The correct sequence is **DFCAGEB**

- 21.(2)
22.(1)
23.(5)
24.(3)
25.(4)
26.(3)
27.(4)
28.(2)
29.(5)
30.(3)

$$31.(2) \quad \text{Required sum} = \frac{4499.04}{\left(1 + \frac{3}{100}\right)\left(1 + \frac{4}{100}\right)\left(1 + \frac{5}{100}\right)} = 4000$$

- 32.(1) Let initially each container contains 12 litres of mixture.
 \therefore Required ratio = $\left(\frac{2}{3} \times 12 + \frac{3}{4} \times 12\right) : \left(\frac{1}{3} \times 12 + \frac{1}{4} \times 12\right)$
 $= 17 : 7$
- 33.(4) Ratio of their earning = 3 : 1.
 \therefore Share of B = $\frac{1}{4} \times 48000$
 $= 12000$
- 34.(4) Work done by A in hours = $9 \times 7 = 63$ hrs.

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Work done by B In hours = $6 \times 7 = 42$ hrs.
Part of the work done by both working

$$\text{together in hr} = \frac{1}{63} + \frac{1}{42}$$

$$= \frac{2+3}{126}$$

$$= \frac{5}{126}$$

$$\therefore \text{Required days} = \frac{126}{5} \times \frac{5}{42}$$

$$= 3 \text{ days}$$

35.(3) $A = x$ days
 $\therefore B = 2x$ days

$$\frac{1}{2x} + \frac{1}{x} = \frac{1}{18} \Rightarrow x = 27$$

36.(3) $\frac{1.69 \times 1.69 \times 1.69 \times 1.69 \times (1000)^3}{(2197)^3} \times 1.3 \times 1.3 \times 1.3 = (1.3)^{7-2}$

$$\Rightarrow \frac{1.69}{2197} \times \frac{1.69}{2197} \times \frac{1.69}{2197} \times 1.69 \times 1300 \times 1300 \times 1300 = (1.3)^{7-2}$$

$$\Rightarrow \frac{1}{1300} \times \frac{1}{1300} \times \frac{1}{1300} \times 1.69 \times 1300 \times 1300 \times 1300 = (1.3)^{7-2}$$

$$\Rightarrow 1.69 = (1.3)^{7-2}$$

$$(1.3)^2 = (1.3)^{7-2}$$

$$2 = 7 - 2$$

$$7 = 4$$

37.(4) $\frac{68}{100} \times 1288 + \frac{26}{100} \times 734 - 215 = ?$

$$875.84 + 190.84 - 215 = ?$$

$$1066.68 - 215 = ?$$

$$7 \approx 850$$

38.(3) $75 \times 35 \div 26 = ? \div 13$

$$? \approx 1320.$$

39.(2) $107 \times 79 - 2916 = \sqrt{?} + 5476$

$$8453 - 2916 = \sqrt{?} + 5476$$

40.(3) $\frac{0.64 \times 0.64 \times 0.64 \times 0.64}{0.512 \times 0.512 \times 0.512} \times (0.8)^4 = (0.8)^{7+3}$

$$0.512 = (0.8)^{7+3}$$

$$(0.8)^3 = (0.8)^{7+3}$$

$$3 = 7 + 3$$

$$? = 0$$

41.(3) $\text{Average} = \frac{75 + 56 + 108 + 45 + 114 + 32}{6} = \frac{430}{6}$

Average ≈ 72 .

42.(1) Number of candidates selected from Income tax

$$= \frac{88}{100} \times (100 + 150) = \frac{88}{100} \times 250 = 220.$$

Number of candidates selected from CBI

$$= \frac{85}{100} \times 100 + \frac{74}{100} \times 150 = 85 + 111 = 196.$$

Difference = $220 - 196 = 24$.

43.(3) Number of candidates selected in 2014 from CVC

$$= \frac{75}{100} \times 40 = 30$$

Number of candidates selected in 2010 from CVC

$$= \frac{60}{100} \times 100 = 60$$

Required percentage = $\frac{30}{60} \times 100 = 50\%$

44.(2) $\text{Average} = \frac{(82+86+72+80+68+90)}{6} \times \frac{150}{100}$

$$= \frac{478}{6} \times \frac{150}{100}$$

$$\approx 120$$

45.(3) Number of students selected from custom in year 2012

and 2014 = $\frac{80}{100} \times 60 + \frac{60}{100} \times 40 = 48 + 24 = 72$.

Over all percentage = $\frac{72}{60 + 40} \times 100 = 72\%$.

46.(1) Required probability =

$$\frac{6c_1 \times 8c_1 \times 4c_1}{18c_2} = \frac{6 \times 8 \times 4 \times 3 \times 2}{18 \times 17 \times 16} = \frac{4}{17}$$

47.(1) Length of rectangle forms the circumference of base of cylinder

$$2 \times \frac{22}{7} \times r = 11 \text{ or } r = \frac{7}{4} \text{ m}$$

$$\therefore \text{Volume} = \pi r^2 h$$

$$= \frac{22}{7} \times \left(\frac{7}{4}\right)^2 \times 8$$

$$= 77 \text{ cu m.}$$

48.(3) Upstream speed (USS) = $\frac{2}{\frac{20}{60}} = 6$ km/hr

Downstream speed = (DSS) = $\frac{2}{\frac{20}{60}} = 8$ km/hr

\therefore Rate of rowing in still water = $\frac{\text{USS} + \text{DSS}}{2} = 7$ km/hr

Current speed = $\frac{\text{DSS} - \text{USS}}{2} = 1$ km/hr

49.(3) Let the distance, speed and actual time be D km, 3x km/hr and T hrs respectively.

$$\frac{60}{3x} + \frac{D-60}{2x} = T + \frac{2}{3} \Rightarrow T = \frac{60}{3x} + \frac{D-60}{2x} - \frac{2}{3} \quad \dots(1)$$

$$\frac{90}{3x} + \frac{D-90}{2x} = T + \frac{1}{3} \Rightarrow T = \frac{90}{3x} + \frac{D-90}{2x} - \frac{1}{3} \quad \dots(2)$$

$$\therefore \frac{60}{3x} + \frac{D-60}{2x} - \frac{2}{3} = \frac{90}{3x} + \frac{D-90}{2x} - \frac{1}{3} \quad \dots(3)$$

$$\Rightarrow x = 15.$$

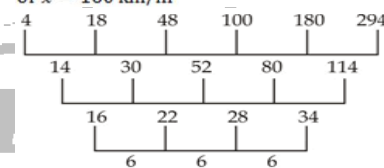
Actual speed = 45 km/hr. Distance = 120 km.

Let the original speed be x km/hr

ATQ, $\frac{240}{x-80} - \frac{240}{x} = \frac{3}{2}$

or, $\frac{240x - 240(x-80)}{x(x-80)} = \frac{3}{2}$

or x = 160 km/hr



So, ? = $294 + 114 + 34 + 6 = 448$.

52.(2) $+16, +32, +48, +64, +80 \dots$

so, ? = $270 + 96 = 366$

53.(3) $380, 465, 557, 656, 762, ?, 995$

So, ? = $762 + 113 = 875$.

54.(4) $\times 1, \times 1.5, \times 2.5, \times 4, \times 6, \times 8.5 \dots$

so, ? = $1080 \times 8.5 = 9180$

55.(4) $?, 61, 211, 505, 991, 1717$

So, $61 = ? + (150 - 96)$

$$? = 7.$$

56.(2) Let the speed of train be x km/hr.

Then, $\frac{600}{x} = \frac{600}{x+5} + 4$

$$\Rightarrow 600 \left[\frac{5}{x(x+5)} \right] = 4$$

$$\Rightarrow x(x+5) = 750 = 25 \times 30$$

$$\Rightarrow x = 25 \text{ km/hr}$$

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57. (2) S.I for two years = Rs.200
 S.I for one year = Rs.100
 C.I for two year = Rs.220
 \Rightarrow Rs. 20 is the interest on Rs. 100 for one year.

If interest is Rs. 20, then amount = Rs. 100

If interest is Rs.100, then Amount = $\frac{100}{20} \times 100 = \text{Rs.} 500$

58. (2) The possible ways are as follows:
 (i) 1 red ball out of the three and 5 blue balls out of the seven
 (ii) 2 red balls out of the three and 4 blue balls out of the seven
 Therefore total number of ways in which a random sample of six balls can be drawn
 $= {}^3C_1 \times {}^7C_5 + {}^3C_2 \times {}^7C_4 = 168$.

59. (1) Total number of cases when two dice are thrown simultaneously = $6 \times 6 = 36$
 Favourable number of cases of getting a sum of 6 = 5 (1, 5; 2, 4; 3, 3; 4, 2; 5, 1)
 Hence, required probability = $\frac{5}{36}$.

60. (2) Let the rational number be $\frac{p}{q}$
 $\therefore q = p + 3$
 $\therefore \frac{p+7}{p+3-2} = 2 \Rightarrow p+7 = 2p+2$
 $\Rightarrow p = 5$
 \Rightarrow Given rational number = $\frac{5}{8}$

61.(2) $762 + 254 = 1016$

62.(3)

63.(3) $? = 142.35 - 23.12 = 119.23$.

64.(2) $\frac{6666}{66 \times 0.25} = 404$

65.(2) $\sqrt{?} = 52 - 18 = 34$

$? = (34)^2 = 1156$

66.(1) $L > E$ (True)

$C \geq J$ (false)

67.(2) $N \geq S$ (False)

$P \leq Q$ (True)

68.(1) $M \leq J$ (True)

$H \leq M$ (False)

69.(4) $D > Q$ (False)

$K \leq E$ (False)

70.(5) $Q \leq E$ (True)

$G > F$ (True)

71.(3) Only 543 and 618 will be divisible by 3 when added 3 to second digit of each number.

72.(2) 862 953 543 861 764

73.(2) $6 \div 2 = 3$

74.(4) 1163 660 844 919 768

75.(2) 268 953 345 816 764

76–80.

Floor	Person	Cars
7	I	Ferrari
6	M	Ford
5	H	Safari
4	K	Alto
3	L	Centro
2	G	Nano
1	J	Swift

76. (2)

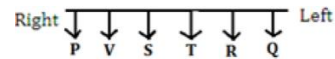
77. (5)

78. (1)

79. (4)

80. (3)

81-85.



81.(4)

82.(2)

83.(2)

84.(3)

85.(5)

86.(3)

87.(4)

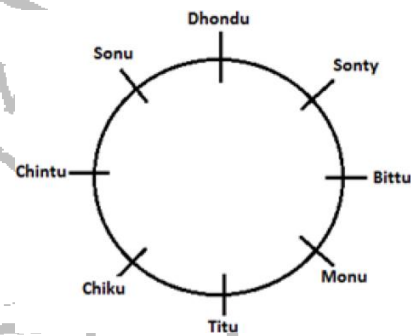
88. (3)

89.(2)

PARAMOUNT
 AAMNOPRTU
 C, I, F, T

90.(4)

91-95.



91.(2)

92.(1)

93.(3)

94.(4)

95.(3)

96-100.

Akshay	Ko
Salman	Ti
Katrina	Cu
Kareena	De
Karishma	Pa
Karan	Su
Hrithik/ranbir/kajol	Mo/je/pe

96.(4)

97.(4)

98.(2)

99.(1)

100.(5)