IBPS PO Preliminary Grand Test –IPP-181043
HINTS & SOLUTIONS

ANSWER KEY

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

HINTS & SOLUTIONS

1. (5) No correction required
2. (3) Replace 'will be likely to face' with 'is likely to face'.
3. (2) Replace 'its investment regime' with 'in its investment regime'.
4. (1) Replace 'have not previous conviction' with 'had no previous conviction'
5. (2) Replace 'have increased substantial' with 'have increased substantially'
6. (5) "Though the Cold War has ended, selective tactics are still continuing for ensuring the military and economic dominance of developed countries."
7. (4) Refer to first paragraph and first few lines of second paragraph.
8. (3) "Proliferation of conventional nuclear and biological weapons was at a peak owing to the competition between the superpowers. The next phase, in a new form, has just started from 1990 onwards. The world has graduated into economic warfare."
9. (3) Refer the 2nd paragraph. "Growth of indigenous technology and self-reliance are the only answer to the problem."
10. (5) "how do we handle the tactics of economic and military dominance in this new form coming from the backdoor?"

11. (1) **Reconnaissance** means preliminary survey or research. So, **Investigation** is the word which is similar in meaning to it.
12. (3) **Proliferation** means rapid increase in the number or amount of something. So, **Propagation** is the word which is similar in meaning to it.
13. (3) **Evolution** means the gradual development of something. So, **Progression** is the word which is similar in meaning to it.
14. (4) **Indigenous** means originating or occurring naturally in a particular place; native. So, **Foreign** is the word which is opposite in meaning to it.
15. (2) **Dominance** means power and influence over others. So, **Submission** is the word which is opposite in meaning to it.
16-20. The correct sequence to form a meaningful paragraph is DFAEBC.
16. (4) 　　　　　　　　17. (5)
18. (3) 　　　　　　　　19. (3) 　　　　　　　　20. (2)
21. (4) 'their' should replace 'its'.
A verb should always agree with its subject (customers)
22. (3) 'to' should replace 'on' in the sentence.entrusted - to give (responsibility, etc) and it takes preposition to.
23. (2) 'be' should be 'removed'. auxiliary verb is followed by be in a passive sentence (where the sentence starts with the object and transitive verb is used.)
24. (4) 'Far off' means long time ago:
since it is an adjective, it can't be used with a verb (settled)
'Far off' should be replaced with far from being.
25. (1) 'Present' should replace 'presently'. At present - at this time, or occuring now
26. (1) 　　　　　　　　27. (3)
28. (5) 　　　　　　　　29. (2) 　　　　　　　　30. (5)
31. (4) The pattern of number series is as follows
$7 \times 2 - 2 = 12$
$12 \times 4 - (2 + 6) = 48 - 8 = 40$
$40 \times 6 - (8 + 10) = 240 - 18 = 222$
$222 \times 8 - (18 + 14) = 1776 - 32 = 1744 \neq 1742$
$1744 \times 10 - (32 + 18) = 17440 - 50 = 17390$
$17390 \times 12 - (50 + 22) = 208608$
32. (5) The pattern of number series is as follows.
$9050 - 15^3 = 5675$
$5675 - 13^3 = 3478$
$3478 - 11^3 = 2147$
$2147 - 9^3 = 1418$
$1418 - 7^3 = 1075 \neq 1077$
$1075 - 5^3 = 950$
33. (4) The series is $+7 \times 1, +6 \times 2, +5 \times 3, +4 \times 4, +3 \times 5, +2 \times 6$
$(2 + 7) \times 1 = 9$
$(9 + 6) \times 2 = 30 \neq 32$
$(30 + 5) \times 3 = 105$
$(105 + 4) \times 4 = 436$
$(436 + 3) \times 5 = 2195$
$(2195 + 2) \times 6 = 13182$
34. (1) Series is $+4, +6, +8, +10, +12, +14$
So, $2 + 4 = 6 \neq 8$
35. (4) Series is $+6, +12, +24, +48, +96, +192$; $97 + 96 = 193 \neq 194$

36. (2) literate population $= \frac{40}{83} \times 311250 \times \frac{24}{100} + \frac{43}{83} \times 311250 \times \frac{8}{100}$
$= 36000 + 12900$
$= 48900$

37. (3) Part of profit distributed among officers $= 45 \times 25000$
Total profit $= \frac{1}{5} \times 45 \times 25000 \times 8$
$= 18$ lakh

38. (1) $(8M + 4W)6 = T$............(i)
$M = 2W$................(ii)
From (i) and (ii)
$(16W + 4W) \times 6 = T$
$120W = T$
$T = 60M$
$(8M + 4W) \times 2 + (4M + 8W) \times t = T$
$(8M + 2M) \times 2 + (4M + 4M) \times t = 60M$
$20 + 8t = 60$
$t = 5$ days

39. (3) Let the upstream speed is U and downstream speed is D
$\frac{25}{U} + \frac{39}{D} = 8$ ....(i)
$\frac{35}{U} + \frac{52}{D} = 11$ ....(ii)
$U = 5, D = 13$
Speed of stream $= \frac{D-U}{2} = \frac{13-5}{2} = 4$ km/h.

40. (3) $\frac{2}{7}$ $\frac{7}{10}$
$\frac{2}{5}$
$\frac{7}{10} - \frac{2}{5}$: $\frac{2}{5} - \frac{2}{7}$
$= \frac{7-4}{10}$: $\frac{14-10}{35}$
$= \frac{3}{10}$: $\frac{4}{35}$
Required Ratio $= \frac{\frac{3}{10}}{\frac{4}{35}} = \frac{3}{10} \times \frac{35}{4} = \frac{21}{8}$

41. (3) Percentage increase / decrease in the sale of pep-up
For year 1989 $= \frac{35-30}{30} \times 100 = 16.66\%$
Similarly, For year 1990 $= \frac{5}{35} \times 100 = 14.28\%$
For year 1991 $= \frac{5}{30} \times 100 = 16.66\%$
For year 1992 $= \frac{5}{25} \times 100 = 20\%$
For year 1993 $= \frac{0}{20} \times 100 = 0$

42. (1) Avg. sale of Dew-drop
$= \frac{10 + 15 + 25 + 15 + 30 + 20}{6} = 19.16$ lakh
Avg. sale of cool-sip
$= \frac{25 + 7 + 20 + 20 + 25 + 30}{6} = 21.16$ lakh
Avg. sale of pep-up
$= \frac{(30 + 35 + 30 + 25 + 20 + 20)}{6} = 26.66$ lakh

43. (3) asked % $= \frac{25-20}{20} \times 100 = 25\%$

44. (5) asked difference $= 30 - 20 = 10$ lakh

45. (3) % drop in sale $= \frac{35-30}{35} \times 100$
$= 14\%$ approx

46. (3) Required percentage $= \frac{17}{6+29} \times 100 = 49\%$

47. (4) Male teachers in University C $= \frac{19}{100} \times 6400 \times \frac{75}{100}$
$= 912$

48. (4) Difference between total number of teachers in University A, B and C together and University D, E and F together $=(6\%+29\%+18\%)-(11\%+17\%+19\%)=6\%$ of total population = Population of University D

49. (5) Salary of teacher of University C = 14760
Salary of teacher of University D = 11808
Amount $= 14760 \times \frac{19}{100} \times 6400 + 11808 \times \frac{6}{100} \times 6400$
$= 1,79,48,160 + 45,34,272$
$= 2,24,82,432$

50. (1) Salary of teacher C = 14760
Salary of teacher E = 8856
Required Percentage $= \frac{14760-8856}{8856} \times 100 = 66.667\%$

51. (2) Distance travelled by driver in $2\frac{1}{2}$ hour $= 300 \times \frac{40}{100} = 120$ km
Speed 1 $= \frac{120 \times 2}{5} = 48$ km/h
Distance to be covered in next 2 hours= 180
Speed 2 = 180/2 =90 km/h
Required difference = 90 – 48 = 42 km/h

52. (1) Total items of fruit 3 months = 4000×3 = 12000
Total items of 12 months = 4375 × 12 = 52500
Average of last 9 months $= \frac{52500-12000}{9} = \frac{40500}{9} = 4500$

53. (3) Remaining amount = Rs. 50,000 – (8000 + 24000) = Rs. 18000
Let rate of interest = R%
A.T.Q.
$\frac{8000}{100} \times \frac{11}{2} \times 1 + \frac{24000 \times 6}{100} + \frac{18000}{100} \times R = 3680$
$180R = 1800$
$R = 10\%$
Hence Required rate = 10%

54. (1) Total work = 40 men × 40 days = 1600 units
For first 10 days, 40 men work = 40 × 10 = 400
For Next 10 days 35 men work = 35 × 10 = 350
For Next 10 days 30 men work = 30 × 10 = 300
For Next 10 days 25 men work = 25 × 10 = 250
For Next 10 days 20 men work = 20 × 10 = 200
                                          1500
Work left = 1600 – 1500 = 100
15 men work for $\frac{100}{15} = 6\frac{10}{15} = 6\frac{2}{3}$ days
Total days $= 50 + 6\frac{2}{3} = 56\frac{2}{3}$

55. (3) Let present average = x year
Total age = $5x$ years
According to questions
$5x - y + z = 5x - 15$
$y \rightarrow$ Old member, $z \rightarrow$ New member
$-y + z = -15$
$y - z = 15$
$y + z = 29$
then z=7

56. (1) I. x = 12, 12
II. y = 13, 13
y > x

57. (4) I. x = $- 4, \frac{5}{2}$
II. y = $- \frac{11}{2}, - 4$
$x \geq y$

58. (5) I. x = $- \frac{11}{6}, -11$
II. y = 2, – 11
No relationship can be established

59. (1) I. x = – 7, 1
II. y = $\frac{3}{2}, 5$
y > x

60. (4) I. x = $\frac{1}{5}, \frac{1}{2}$
II. y = $\frac{1}{7}, \frac{1}{5}$
$x \geq y$

61. (1) $3463 \times 295 - 18611 = ? + 5883$
$1021585 - 18611 = ? + 5883$
$1002974 = ? + 5883$
$? = 997091$

62. (3) $533.61 + 2361.96 - 1584.04 = ? + 1147.69$
$? = 2895.57 - 2731.73$
$= 163.84$

63. (4)
$$\frac{28}{65} \times \frac{195}{308} \times \frac{44}{39} + \frac{5}{26} = ?$$
$$\frac{12}{39} + \frac{5}{26} = ?$$
$$? = \frac{1}{2}$$

64. (5) $44000 \div 2100 \times 400$
   ≈ 8300 (approx)

65. (3) $\approx 60 \div 12 \times 6 = 30$

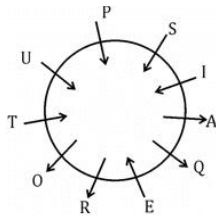66. (3)   67. (1)

68. (1)   69. (2)   70. (4)

71. (4)   72. (5)
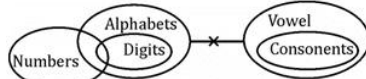
73. (4)   74. (3)   75. (2)

76-80.

76. (2)   77. (5)

78. (1)   79. (1)   80. (3)

81-85.

Religion	Color	Drink
Muslim	Yellow	Milk
Hindu	Blue	Tea
Christian	Red	Coffee
Sikh	Pink	Banana Shake

Order of Houses: Yellow- Blue-Red-Pink
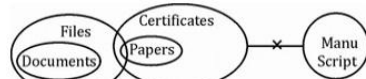
81. (3)   82. (4)
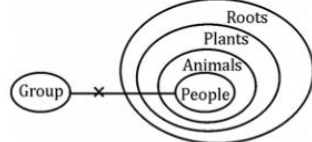
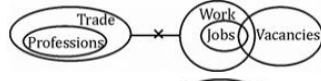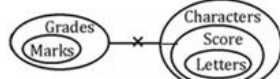83. (5)   84. (1)   85. (3)

86. (3)

87. (5)

88. (5)

89. (5)

90. (2)

91-94.

7	Anjali
6	Dimple
5	Shruti
4	Koyal
3	Arti
2	Payal
1	Naina

91. (3)   92. (5)

93. (4)   94. (1)   95. (3)

96. (2) Twelth from the right after dropped the symbols is 3

97. (5) Fifth from the left of eighteenth from the left means
         13th from the left is P

98. (2) We came know from this equation B and T are husband
         wife , and E & R are their son and daughter
         Hence R is the daughter of T.

99. (2) We came know from this equation,T and R are husband
         wife and they have 3 children F(daughter),J(son), and
         L(son/daughter)
         Hence F is the sister of L.

100. (5) Letters are D, R, M, E, A and possible word are Dream,
         Armed.