BANK PO PHASE-I MOCK TEST-23 (SOLUTION)

REASONING

1. (4)

1. ×
2. ×
3. ✓
4. ✓

2. (2)

1. ✓
2. ✓
3. ✓
4. ×

3. (2)

1. ✓
2. ✓
3. ✓
4. ×

4. (5)

1. ×
2. ✓
3. ×
4. ×

5. (5)

1. ×
2. ×
3. ✓
4. ✓

6. (1) — $\boxed{M}$ ← 15 → $\boxed{R}$ ←^{10}—

   27th   11th

   m's Position from the left end of the row

   = (40 – 27) + 1

   = 14

7. (4) W A V E   W I N S   S A N E

   ↓ ↓ ↓ ↓   ↓ ↓ ↓ ↓   ↓ ↓ ↓ ↓

   5 % 3 *   5 9 @ ©   © % @ *
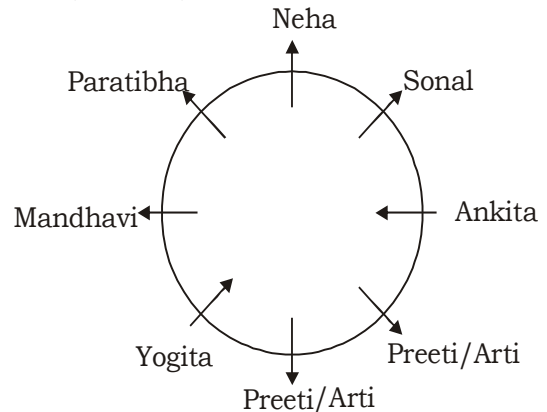
8. (1) As per Question.

   Answer : As per question.

   left — 1 4 2 7 8 3 $\boxed{5}$ 9 — Right end

                    ↑

   Second digit from right end.

9. (4)

10. (5) Except Austria all other are continents Austria is the country.

Solution (11 – 15) :

11. (2)   12. (2)   13. (1)

14. (5)   15. (2)

16. (1) 'P' lives on the Top floor of building.

17. (1) 'Q' lives on the Second floor.

18. (2) 'RSP' do not follow any symmetroy of arrangement.

19. (5) None as no one lives below's. S is on first floor.

20. (3) Four floors are between 'T' & 'Q'.

(21 – 25) :

21. (5) P > X > Y = Q $\geq$ Z

   Conclusion : (i) Z < P : True

                     (ii) P > Q : True

22. (2) L > I; H > I $\geq$ J > K

   Conclusion : (i) H > L : False

                     (ii) L > K : True

23. (2) $O \geq P = Q > R$; $O \geq P = Q > S$
   Conclusion :
   (i) R < S : False
   (ii) O > S : True

24. (2) $D \geq E = H > F = G$
   $D \geq E = H < J$
   Conclusion :
   (i) J > D : False
   (ii) G < J : True

25. (1) $B > J > R > Z$
   $B > J \geq R > F < W$
   Conclusion :
   (i) J > F : True
   (ii) B > W : False

26. (3)
   Input : 20 ask never 35 62 84 tall grass.
   Step I : tall 20 ask never 35 62 84 grass
   Step II : tall 20 never ask 35 62 84 grass.
   Step III : tall 20 never 35 ask 62 84 grass.
   Step IV : tall 20 never 35 grass ask 62 84.
   Step V : tall 20 never 35 grass 62 ask 84.

27. (4) From the given step the input can not be determined.

28. (3)
   Step III : yes 15 ultra 96 73 52 home rest.
   Step IV : yes 15 ultra 52 96 73 home rest.
   Step V : yes 15 ultra 52 rest 96 73 home.
   Step VI : yes 15 ultra 52 rest 73 96 home.
   Step VII : yes 15 ultra 52 rest 73 home 96.

29. (1)
   Input : 49 box store 84 63 on door 37.
   Step I : Store 49 box 84 63 on door 37.
   Step II : Store 37 49 box 84 63 on door.
   Step III : Store 37 on 49 box 84 63 door.
   Step IV : Store 37 on 49 door box 84 63.
   Step V : Store 37 on 49 door 63 box 84.

30. (1)
   Five steps
   Input : Slow wheel 32 57 high lake 12 46.
   Step I : wheel slow 32 57 high lake 12 46.
   Step II : wheel 12 slow 32 57 high lake 46.
   Step III : wheel 12 slow 32 lake 57 high 46.
   Step IV : wheel 12 slow 32 lake 46 57 high.
   Step V : wheel 12 slow 32 lake 46 high 57.

31. (2)

   T I G E R

   Q D F H S

(32–35) :
   Good = *zt*
   Make = *xy*
   Finance = *mn*
   Plan = *lo*
   Helps = *oj*
   Economy = *dn*
   Progress = *br*
   now = *Fs*
   develop/country = *rt/cl*

32. (5)
33. (4)   34. (2)
35. (3)

MATHS

36. (5) $24 \div x \times 225 = 450$

   $x = \dfrac{24 \times 225}{450}$ or $x = 12$ approx

37. (2) $30.01^2 - 19.98^2 - ? = 21.81^2$
   900 – 400 – x = 475 (use approximation)
   500 – x = 475 or
   x = 500 – 475
   x = 25 approx

38. (2) 820.15 + 2379.85 + 140.01 × 4.99 = ?
   x = 820.15 + 2379.85 + 140 × 5
   x = 820.15 + 2379.85 + 700 (use approximation)
   x = 3200 + 700 or x = 3900 approx

39. (3) 39.97 % of 649.8 ÷ 13.05 = 45.12 – ?
   39.97 % of 649.8 ÷ 13.05 = 45.12 – x
   40% of 650 ÷ 13.05 = 45.12 – x (use approximation)
   x = 25

40. (4) (674.87 + 59.98) ÷ 35.02 = ?
   x = (674.87 + 59.98) ÷ 35.02
   x = (675 + 60) ÷ 35 (use approximation)
   x = 735 ÷ 35 or x = 21

41. (3) Let the sum invested in scheme B is P and the sum invested in scheme A is 6100 – P
   For scheme B

   $SI = \dfrac{P \times 10 \times 4}{100} = \dfrac{4P}{10}$

   For scheme A

   $A = (6100 - P)\left(1 + \dfrac{r}{100}\right)^a$

   $A = (6100 - P)\left(1 + \dfrac{10}{100}\right)^2$

   $A = (6100 - P)\dfrac{121}{100}$

   $6100 - P + CI = (6100 - P)\dfrac{121}{100}$

   $CI = (6100 - P)\left(\dfrac{121}{100} - 1\right)$

   $= (6100 - P)\dfrac{21}{100}$

   Given that,
   CI = SI so,

   $(6100 - P)\dfrac{21}{100} = \dfrac{4P}{10}$ or P = Rs.2100

   Amount invested in Scheme A
   = 6100 – 2100 = Rs. 4000

42. (4) Cost Price of all oranges = Rs. 1200

Selling price of all oranges = $1200\left(\dfrac{110}{100}\right)$

= Rs. 1320

Cost price of $1/3^{rd}$ of those oranges

= $\dfrac{1200}{3}$ = Rs. 400

But he sold it at 20% loss i.e.
Selling price of $1/3^{rd}$ of those oranges

= $400 \times \dfrac{80}{100}$ = Rs. 320

Price at which A sells the rest of the oranges to gain overall profit of 10% = 1320 – 320 = Rs. 1000
Cost price of rest of the oranges = Rs. 800
Profit percent on which A sell the rest of

the oranges = $\dfrac{1000-800}{800} \times 100$ = 25%

43. (5) Correctios: Read their ratio of age after 4 years is 4 : 5
Let the Bob's present age is x
Abby's present age = $x + 8$

$\dfrac{x+4}{x+8+4} = \dfrac{4}{5}$ or x = 28 years

44. (3)
Respective ratio between the profits of A, B and C = 4 ×12 : 6 × 8 : 5 × 8 = 6 : 6 : 5

Total annual profit earned = $\dfrac{250}{1} \times 17$

= ₹ 4250

45. (5) Distance between point A and point B is

given as d = $\dfrac{S_1 S_2 (t_1 + t_2)}{S_1 - S_2}$

$d = 8 \times 5 \times \dfrac{\dfrac{48}{60} + \dfrac{15}{60}}{8-5} = 40 \times \dfrac{\dfrac{63}{60}}{3}$ or d = 14 kms

46. (1) 158   78   38   18   8   ?   158
78 = 158 – 80

$38 = 78 - \dfrac{80}{2}$

$18 = 38 - \dfrac{80}{4}$

$8 = 18 - \dfrac{80}{8}$

$x = 8 - \dfrac{80}{16} = 3$

47. (1)

16	19	24	33	50	? = 83
3	5	9	17	? = 33	
2	4	8	16		

48. (1)

402	400	388	358	302	? = 212
2	12	30	56	? = 90	
10	18	26	? = 34		
8	8	8			

49. (1) 78   64   48   30   10   ?   78
64 = 78 – 14
48 = 64 – 16
30 = 48 – 18
10 = 30 – 20
x = 10 – 22 = – 12

50. (2) 12.5   8   5.5   4   3   ?
12.5
8 = 12.5 – 2 × 2 – 0.5
5.5 = 8 – 2 – 0.5

$4 = -5.5 - \dfrac{2}{2} - 0.5$

$3 = 4 - \dfrac{2}{4} - 0.5$

$x = 3 - \dfrac{2}{8} - 0.5 = 2.25$

51. (2) Number of cellular phones (both Nokia and Samsung) sold by store B = 6400 ×

$\dfrac{21}{100}$ = 1344

Number of Nokia cellular phones sold by

store A = $3000 \times \dfrac{24}{100}$ = 720

Required percent = $\dfrac{1344-720}{720} \times 100$

= $\dfrac{62400}{720} = 86\dfrac{2}{3}$ %

52. (5) Required central angle = $360 \times \dfrac{33}{100}$

= 118.8°

53. (2) Total number of Samsung cellular phones sold by stores B, C & D = Total number of cellular phones sold by stores B, C & D. Total number of Nokia cellular phones sold by stores B, C & D

$$= 6400 \times \frac{21 + 15 + 33}{100} - 3000 \times \frac{18 + 20 + 30}{100}$$

$$= 4416 - 2040 = 2376$$

Required average = $\frac{2376}{3}$ = 792

54. (2) Total number of cellular phones (both Nokia and Samsung) sold by store A =

$6400 \times \frac{19}{100}$ = 1216

Total number of Nokia cellular phones sold by stores B and E together = 3000 ×

$\frac{8 + 18}{100}$ = 780

Required difference = 1216 – 780 = 436

55. (1) Number of Samsung cellular phones sold by store E = Total number of cellular phones sold by store E – Number of Nokia cellular phones sold by store E

$$= 6400 \times \frac{12}{100} - 3000 \times \frac{8}{100} = 768 - 240 = 528$$

Number of phones (both Nokia and Samsung) sold by store C = $6400 \times \frac{15}{100}$

= 960

Required percentage = $\frac{528}{960} \times 100$ = 55%

Direction (56-60) :

Total = 4800

A = 2000	B = 2800
Male = 1400	**Male = 2240**
ops = 840	ops = 1456
admin = 70	admin = 196
other = 490	other = 588
Female = 600	**Female = 560**
ops = 285	ops = 364
admin = 144	admin = 49
other = 171	other = 147

56. (4) Required percentage = $\frac{490}{1400} \times 100$ = 35%

57. (5) Required percentage = $\frac{364}{560} \times 100$ = 65%

58. (4) Required total = 285 + 364 = 649

59. (1) Average number of males working in 'Amin' in both the companies together

$$= \frac{70 + 196}{2} = 133$$

Average number of females working in 'Other Departments' in both the companies together

$$= \frac{171 + 147}{2} = 159$$

∴ difference = 26

60. (2) Total number of employees (both male and female) who work in Admin in company B = 49 + 196 = 245
Total number of employees (both male and female) who work in Other department in company B = 588 + 147 = 735
Required ratio = 245 : 735 = 1 : 3

61. (3) Total number of bikes = 43470 + 84560 + 56760 + 78650 + 69000 + 94880
= 427320

∴ Average = $\frac{427320}{6}$ = 71220

= 71.22 thousand

62. (2) Total number of bikes sold by Company

D = $78.65 \times \frac{9}{11}$ = 64.35 thousand = 64350

63. (1) Total number of unsold bikes of

Company A = $43470 \times \frac{2}{9}$ = 9660

Total no. of unsold bikes of company E

= $69000 \times \frac{2}{5}$ = 27600

∴ Reqd% = $\frac{9660}{27600} \times 100$ = 35%

64. (3) Difference = $94880 \times \frac{(5 - 3)}{8}$

= $94880 \times \frac{2}{8}$ = 23720

65. (2) Total number of bikes produced by all companies together = 427320
Total number of bikes sold by all companies together

$$= 43470 \times \frac{7}{9} + 84560 \times \frac{5}{7} + 56760 \times \frac{5}{6}$$

$$+ 78650 \times \frac{9}{11} + 69000 \times \frac{3}{5} + 94880 \times \frac{5}{8}$$

= 33810 + 60400 + 47300 + 64350 + 41400 + 59300 = 306560

Reqd% = $\frac{306560}{427320} \times 100$ = 71.74% = 72%

66. (2) **I.** $6X^2 + 5X + 1 = 0$

$\Rightarrow 6X^2 + 3X + 2X + 1 = 0$

$\Rightarrow 3X(2X + 1) + (2X + 1) = 0$

$\Rightarrow (3X + 1)(2X + 1) = 0$

$\therefore X = -\dfrac{1}{3}$ or $X = -\dfrac{1}{2}$

II. $15Y^2 + 8Y + 1 = 0$

$\Rightarrow 15Y^2 + 5Y + 3Y + 1 = 0$

$\Rightarrow 5Y(3Y + 1) + 1(3Y + 1) = 0$

$\Rightarrow (5Y + 1)(3Y + 1) = 0$

$\therefore Y = -\dfrac{1}{5}$ or $\dfrac{1}{3}$

Hence, $X \le Y$

67. (5) **I.** $X^2 + 5X + 6 = 0$

$\Rightarrow X^2 + 3X + 2X + 6 = 0$

$\Rightarrow X(X + 3) + 2(X + 3) = 0$

$\Rightarrow (X + 2)(X + 3)$

$\therefore X = -2$ or -3

II. $4Y^2 + 24Y + 35 = 0$

$\Rightarrow 4Y^2 + 14Y + 10Y + 35 = 0$

$\Rightarrow 2Y(2Y + 7) + 5(2Y + 7) = 0$

$\Rightarrow (2Y + 5)(2X + 7) = 0$

$\therefore Y = -\dfrac{5}{2}$ or $-\dfrac{7}{2}$

Relationship between X and Y cannot be established.

68. (2) **I.** $2X^2 + 5X + 3 = 0$

$\Rightarrow 2X^2 + 2X + 3X + 3 = 0$

$\Rightarrow 2X(X + 1) + 3(X + 1) = 0$

$\Rightarrow (2X + 3)(X + 1) = 0$

$\therefore X = -\dfrac{3}{2}$ or -1

II. $Y^2 + 9Y + 14 = 0$

$\Rightarrow Y^2 + 7Y + 2Y + 14 = 0$

$\Rightarrow Y(Y + 7) + 2(Y + 7) = 0$

$\Rightarrow (Y + 2)(Y + 7) = 0$

$\therefore Y = -2$ or -7

$\Rightarrow$ Hence, $X > Y$

69. (1) **I.** $88X^2 - 19X + 1 = 0$

$\Rightarrow 88X^2 - 11X - 8X + 1 = 0$

$\Rightarrow 11X(8X - 1) - 1(8X - 1) = 0$

$\Rightarrow (11X - 1)(8X - 1) = 0$

$\therefore x = \dfrac{1}{11}$ or $\dfrac{1}{8}$

II. $132Y^2 + 23Y + 1 = 0$

$\Rightarrow 132Y^2 + 12Y + 11Y + 1 = 0$

$\Rightarrow 12Y(11Y + 1) + 1(11Y + 1) = 0$

$\Rightarrow (12Y + 1)(11Y + 1) = 0$

$\therefore Y = -\dfrac{1}{12}$ or $-\dfrac{1}{11}$

Hence, $X \ge Y$

70. (2) **I.** $6X^2 - 7X + 2 = 0$

$\Rightarrow 6X^2 - 4X - 3X + 2 = 0$

$\Rightarrow 2X(3X - 2) - 1(3X - 2) = 0$

$\Rightarrow (2X - 1)(3X - 2) = 0$

$\therefore X = \dfrac{1}{2}$ or $\dfrac{2}{3}$

II. $20Y^2 - 31Y + 12 = 0$

$\Rightarrow 20Y^2 - 15Y - 16Y + 12 = 0$

$\Rightarrow 5Y(4Y - 3) - 4(4Y - 3) = 0$

$\Rightarrow (5Y - 4)(4Y - 3) = 0$

$\therefore Y = \dfrac{4}{5}$ or $\dfrac{3}{4}$

Hence, $X > Y$

ENGLISH LANGUAGE

71. (2)   72. (3)   73. (4)

74. (1)   75. (4)   76. (2)

77. (4)   78. (3)

79. (5)   80. (3)   81. (2)

82. (4)   83. (1)

84. (1) Remove 'are' from the sentence.

85. (5) No error.

86. (2) 'arrive' should be replaced by 'arrived'.

87. (1) Use 'The' before 'habit'.

88. (1) 'what' should be replaced by 'how'.

89. (1)   90. (5)   91. (3)
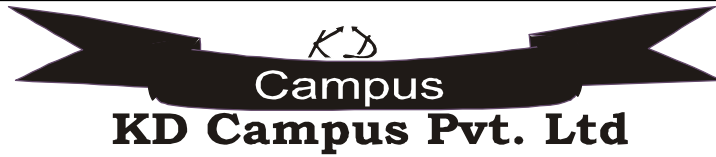
92. (4)   93. (2)   94. (2)

95. (2)

96. (1)   97. (4)   98. (2)

99. (1)   100. (3)

VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Traitor	One who betrays another's trust or is false to an obligation or duty	गद्दार
Quest	A search for an alternative that meets cognitive criteria	खोज
Scandals	A disgraceful event	अनैतिक कार्य
Enlightened	Having knowledge and spiritual insight	प्रबुद्ध
Obsolete	Old-fashioned or no longer useful	पुराने ढंग का, अप्रचलित
Egalitarian	Favoring social equality	समानतावादी, भेदभावहीन
Contemporary	Existing or happening in the same time period	समकालीन
Enrichment	The act of improving the quality of something, often by adding something to it	समृद्धिकरण
Inculcate	To cause (something) to be learned by (someone) by repeating it again and again	समझाना, कोई बात मन में बैठाना
Sideline	To prevent somebody from having an important part in something	अलग रखना
Prolonged	Continuing for a long time	दीर्घकालीन
Demonstration	An event in which people gather together in order to show that they support or oppose something or someone	जुलूस
Unforeseen	That you did not expect to happen	अप्रत्याशित
Conflict	Strong disagreement between people, groups, etc., that results in often angry argument	संघर्ष, टकराव
Reckless	Not showing proper concern about the possible bad results of your actions	लापरवाह
Malign	To say bad things about somebody/something publicly	निन्दा करना
Diagnosis	The act of identifying a disease, illness, or problem by examining someone or something	रोग की पहचान
Harmony	A pleasing combination or arrangement of different things	सामंजस्य
Discomfiture	A feeling of confusion or embarrassment	बैचेनी, घबराहट
Consensus	A general agreement about something	सर्वसम्मति
Perverted	To change (something good) so that it is no longer what it was or should be	बिगाड़ना, विकृत करना
Credible	Able to be believed : reasonable to trust or believe	प्रामाणिक, विश्वासयोग्य
Fraudulent	Intended to cheat somebody, usually in order to make money illegally	छलपूर्ण, बेईमान
Pioneering	Introducing ideas and methods that have never been used before	पथप्रदर्शक
Trivial	Not important	मामूली
Gigantic	Extremely large	विशाल, भीमकाय
Playful	Happy and full of energy	आनन्दित
Imbibe	To absorb something	आत्मसात् करना

BANK PO PHASE -I MOCK TEST - 23 (ANSWER KEY)

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

Note:- If you face any problem regarding result or marks scored, please contact 9313111777

Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003