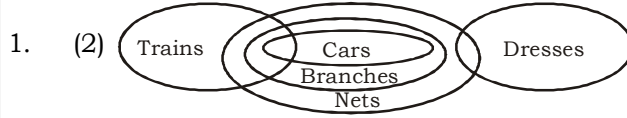


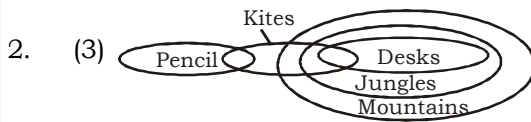
BANK PO PHASE-I MOCK TEST-27 (SOLUTION)

REASONING

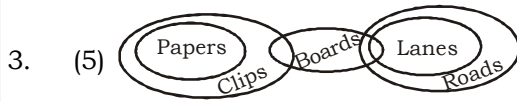
(1-5) :



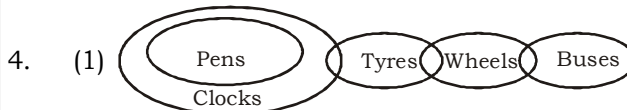
- I. ×
- II. √
- III. √
- IV. ×



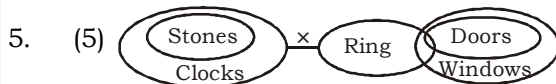
- I. ×
- II. ×
- III. √
- IV. √



- I. √
- II. ×
- III. ×
- IV. ×



- I. ×
- II. ×
- III. ×
- IV. ×

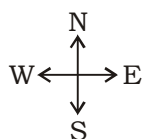


- I. ×
- II. √
- III. ×
- IV. ×

(6-10) :

Row 1. ↓ P V S T R Q

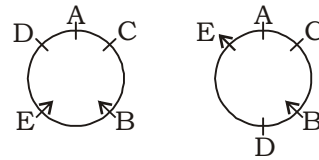
Row 2. ↑ C F A E B D



- 6. (4)
- 7. (1)
- 8. (2)
- 9. (2) $P \xrightarrow{+2} A, S \xrightarrow{+2} B$
Hence, $T \xrightarrow{+2} D$

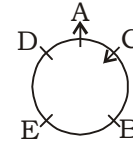
- 10. (3)
- 11. (3) **From Statement I :**
 $Q > R, S > T > P$
Q is the heaviest
From statement II :
 $Q > R > S, T, P$
Q is the heaviest

- 12. (2) **From statement I :**



We cannot determine if all the friends are facing the centre

From statement II :



A is facing outside and C is facing the centre of circle. So, all friends are not facing the centre.

- 13. (3) **From statement I :**

Monday	Botany
Tuesday	Mathematics
Wednesday	Physics
Thursday	Chemistry
Friday	Zoology

Chemistry is not taught on Wednesday

From statement II :

Monday	Botany/Zoology
Tuesday	Mathematics
Wednesday	Physics
Thursday	Chemistry
Friday	Zoology/Botany

OR

Monday	Botany/Zoology
Tuesday	Chemistry
Wednesday	Mathematics
Thursday	Physics
Friday	Zoology/Botany

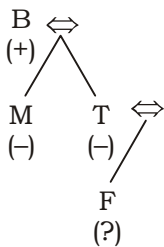
Chemistry is not taught on Wednesday.

14. (3) **From statement I :**
If the time is 9 o' clock now then after 30 minutes i.e. at 9 : 30 the angle between the minute hand and hour hand cannot be 90°. So, now the time is not 9 o' clock

From statement II :

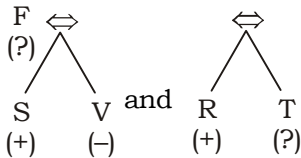
If the time now is 9 o' clock then 15 min before the hour and minutes hand of the clock can never coincide with each other. Instead they will have an angle of 7.5°. So, the time now is not 9 o' clock

15. (4) **From statement I :**



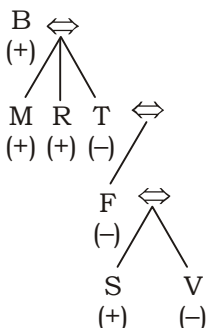
The gender of F is not known. So, we cannot say whether F is granddaughter or grandson of B.

From statement II :



The name of B has not even been mentioned.

Using both statements together :



Still, the gender of F cannot be determined. So, we cannot determine whether F is grandson or granddaughter of B

16. (2) $H > T \dots$ (i); $T < F \dots$ (ii);
 $F = E \dots$ (iii); $E \leq V \dots$ (iv)
Combining (i), (ii) and (iv), we get

$T < F = E \leq V \dots$ (v)

Hence $V \geq F$ and I is true.

Also, $E > T$ and II is true.

Again, $T < V$ and IV is true.

From (i) and (IV), H and V can't be compared. Hence III is not true.

17. (5) $D < R \dots$ (i);

$R \leq K \dots$ (ii);

$K > F \dots$ (iii);

$F \geq J \dots$ (iv)

Combining these,

we get

$D < R \leq K > F \geq J$

Now, J and R can't be compared. Hence I does not follow.

$J < K$ and II follows.

R and F can't be compared. Hence III does not follow.

$K > D$ and IV follows

18. (5) $N = B \dots$ (i);

$B \geq W \dots$ (ii);

$W < H \dots$ (iii);

$H \leq M \dots$ (iv)

Combining these, we get

$N = B \geq W < H \leq M$

Hence $M > W$ and I is true.

H and N can't be compared. Hence II does not follow. Again, $W \leq N$, Which means either III ($W = N$) or IV ($W < N$) is true.

19. (1) $R \leq D \dots$ (i);

$D \geq J \dots$ (ii);

$J < M \dots$ (iii);

$M > K \dots$ (iv)

None of these given quantities can be compared.

20. (5) $M \geq K \dots$ (i);

$K > N \dots$ (ii);

$N \leq R \dots$ (iii);

$R < W \dots$ (iv)

From (i) and (ii),

$M \geq K > N$ or $M > N \dots$ (v)

From (iii) and (iv),

$N \leq R < W$ or $N < W \dots$ (vi)

Now, from (ii) and (iv), W and K can't be compared.

Hence I is not true.

From (iii) and (v), M and R can't be compared. Hence II is not true.

From (ii) and (vi), K and W can't be compared. Hence III is not true.

IV is definitely true from (v)

21. (1)

22. (3)

23. (4)

24. (1)

25. (5)

26. (3)

Input : 89 bind 32 goal house 61 12 joy

Step I : 12 89 bind 32 goal house 61 joy

Step II : 12 joy 89 bind 32 goal house 61

Step III : 12 joy 32 89 bind goal house 61

Step IV : 12 joy 32 house 89 bind goal 61

Step V : 12 joy 32 house 61 89 bind goal

Step VI : 12 joy 32 house 61 goal 89 bind

27. (3)
Step II : 15 years 62 51 48 talk now gone
Step III : 15 years 48 62 51 talk now gone
Step IV : 15 years 48 talk 62 51 now gone
Step V : 15 years 48 talk 51 62 now gone
Step VI : 15 years 48 talk 51 now 62 gone
28. (5)
Step III : 21 victory 30 joint 64 47 all gone
Step IV : 21 victory 30 joint 47 64 all gone
Step V : 21 victory 30 joint 47 gone 64 all
 $5 - 3 = 2$ more steps will be required
29. (5)
Input : win 92 task 73 59 house range 34
Step I : 34 win 92 task 73 59 house range
Step II : 34 win 59 92 task 73 house range
Step III : 34 win 59 task 92 73 house range
Step IV : 34 win 59 task 73 92 house range
30. (5)
Input : save 21 43 78 them early 36 for
Step I : 21 save 43 78 them early 36 for
Step II : 21 them save 43 78 early 36 for
Step III : 21 them 36 save 43 78 early for
Step IV : 21 them 36 save 43 for 78 early
 Hence step III will be the last but one
31. (4) 32. (1) 33. (1)
 34. (5) 35. (2)

MATHS

36. (2) Required difference

$$= 24 \times 10^5 \times 16\% \times \frac{7}{12} - 32 \times 10^5 \times 15\% \times \frac{7}{16}$$

$$= 224000 - 210000 = 14000$$
37. (4) Required ratio

$$= 24 \times \frac{1}{5} \times \frac{7}{16} : 32 \times \frac{12}{100} \times \frac{7}{12}$$

$$= 15 : 16$$
38. (3) Required % = $\frac{\frac{4}{9} \times 15 \times 24}{\frac{5}{9} \times 18 \times 32} \times 100 = 50\%$
39. (1) Required % = $\frac{\frac{4}{9} \times 18\% \times 32}{32} \times 100 = 8\%$
40. (5) Required ratio

$$= \frac{9}{16} \times \frac{1}{5} \times 24 : \frac{10}{19} \times \frac{19}{100} \times 32$$

$$= 27 : 32$$
41. (5)
 42. (5) Cost of painting is not given, hence data inadequate
43. (4) Let the sum be ₹ x
 From the statement, I and II,

$$\frac{x \times 10 \times 3}{100} = 4500 \Rightarrow x = ₹ 15000$$

- $$\therefore CI = 15000 \left(1 + \frac{10}{1000}\right)^3 - 15000$$
- $$= 19965 - 15000 = ₹ 4965$$
- From the statement, I and III,
 $CI - SI = 465$
 $\therefore CI = 465 + 4500 = ₹ 4965$
- From the statement, II and III,
 $CI = ₹ 4965$
- Hence, any two of them can be dispensed with
44. (2) From the statement I and II,
 Let the cost price of the article be ₹ 100
 \therefore Labelled price = 130
 $\therefore SP = 130 \times \frac{90}{100} = ₹ 117$
 \therefore % profit = 17%
 Hence, II can be dispensed with
45. (1)
46. (5) $(?)^3 = (\sqrt{5} - \sqrt{10})^2 + (\sqrt{2} + 5)^2 + 22$

$$= 5 - 2\sqrt{50} + 10 + 2 + 10\sqrt{2} + 25 + 22$$

$$= 5 - 10\sqrt{2} + 10 + 2 + 10\sqrt{2} + 25 + 22$$
 or, $(?)^3 = 42 + 22 = 64$
 $\therefore ? = \sqrt[3]{64} = 4$
47. (1) $\frac{55 \times \sqrt{2116}}{100} + 0.01 = ? \times 20$
 $(\therefore \sqrt{2116} = \sqrt{46 \times 46} = 46)$
 or, $? \times 20 = \frac{55 \times 46}{100 \times 0.01} = \frac{55 \times 46}{1} = 2530$
 $\therefore ? = \frac{2530}{20} = 126.5$
48. (1) $(?)^2 = \sqrt{12^2 \times 16 \div 24 + 193 + 7 \times 5}$

$$= \sqrt{144 \times \frac{16}{24} + 193 + 35}$$

$$= \sqrt{96 + 193 + 35}$$

$$= \sqrt{324}$$
 or, $(?) = \sqrt{18}$

$$= \sqrt{3 \times 3 \times 2}$$

$$= 3\sqrt{2}$$

49. (4) $(?)^2 = \frac{\sqrt{31.36} \div \sqrt{0.64} \times 252}{36}$

$$= \frac{5.6}{0.8} \times \frac{252}{36} = \frac{7 \times 252}{36} = 49$$

$\therefore ? = \sqrt{49} = \pm 7$. Hence, -7 .

50. (3) $\therefore (1.69)^4 \div \left(\frac{2197}{1000}\right)^3 \times 13^3 = 13^{2-2}$

or, $(1.3)^8 \div (1.3)^{3 \times 3} \times 13^3 = 13^{2-2}$

or, $1.3^{8-9+3} = 13^{2-2}$

or, $13^2 = 13^{2-2}$

or, $? - 2 = 2$

$\therefore ? = 2 + 2 = 4$

51. (4) 52. (2) 53. (2)

54. (5) 55. (3)

56. (1)

$$4x + 3y = 40 \dots (i) \times 6$$

$$6x - 5y = 22 \dots (ii) \times 4$$

$$24x + 18y = 240$$

$$\underline{24x - 20y = 88}$$

$$38y = 152$$

\therefore Putting the value of y in equation (i), we have

$$4x + 3 \times 4 = 40$$

or, $4x = 40 - 12 = 28$

$\therefore x = 7$.

57. (2) $2x^2 - 4x - \sqrt{13}x + 2\sqrt{13} = 0 \dots (i)$

or, $2x(x - 2) - \sqrt{13}(x - 2) = 0$

or, $(x - 2)(2x - \sqrt{13}) = 0$

$\therefore x = 2, \frac{\sqrt{13}}{2}$

$$10y^2 - 18y - 5\sqrt{13}y + 9\sqrt{13} = 0$$

or, $2y(5y - 9) - \sqrt{13}(5y - 9) = 0$

or, $(2y - \sqrt{13})(5y - 9) = 0$

$\therefore y = \frac{9}{5}, \frac{\sqrt{13}}{2}$

58. (5) $6x^2 + 17 - 3x^2 - 20 = 0$

or, $3x^2 = 3$

$\therefore x = \pm 1$

$$5y^2 - 12 - 9y^2 + 16 = 0$$

or, $4y^2 = 4$

$\therefore y = \pm 1$

Hence $x = y$.

59. (2) $13x + 17 = 134 \dots (i)$

$\therefore x = \frac{117}{13} = 9$

$$(361)^{1/2}y^2 - 270 = 1269$$

or, $19y^2 = 1269 + 270 = 1539$

$$y^2 = \frac{1539}{19} = 81$$

$\therefore y = \pm 9$

60. (4) $64x^2 = 256 \dots (i)$

or, $x^2 = 4$

$x = \pm 2$

$14y^3 - 12y^3 = 16 \dots (ii)$

or, $2y^3 = 16$

$\therefore y^3 = 8 \Rightarrow y = 2$

Hence, $x \leq y$.

61. (1) Let Rita's present age be x years.

Her daughter's age = $\frac{x}{4}$ years

Her mother's age = $\frac{3}{2}x$ years

Now, total sum of ages of Rita, her

daughter and her mother = 154

or,

$$x + \frac{x}{4} + \frac{3}{2}x = 154$$

or, $\frac{4x + x + 6x}{4} = 154$

or, $11x = 154 \times 4$

$\therefore x = 56$ years

Rita's mother's age = $\frac{3}{2} \times 56 = 84$ years

\therefore Difference = $84 - 56 = 28$ years

62. (3) Let the quadrilateral angles be

$3x, 5x, 9x$ and 71° .

Total sum of angles

$$3x + 5x + 9x + 71^\circ = 360$$

$\therefore x = 17^\circ$

Hence angles are $51^\circ, 85^\circ, 153^\circ$ and 71° .

\therefore difference = $153 - 51 = 102^\circ$.

63. (4) Let the number be x .

Then, $x \times \frac{25}{100} \times \frac{3}{7} \times \frac{26}{100} = 136.5$

$\therefore x = \frac{136.5 \times 100 \times 100 \times 7}{25 \times 3 \times 26} = 4900$

64. (2) Speed of car = $\frac{1040}{13} = 80$ kmph

Ratio of speed of truck, car and

train = 3 : 8 : 9

Now, $8x = 80$

$\therefore x = 10$

Hence, truck = 30 kmph

Train = 90 kmph

\therefore Average speed of truck and train together

$$= \frac{30 + 90}{2} = \frac{120}{2} = 60 \text{ kmph}$$

65. (1) Let the second largest angle of the triangle be $6x$ and the smallest angle $5x$.

Now, $6x - 5x = 9^\circ$ or, $x = 9^\circ$

Second largest angle = 54°

Smallest angle = 45°

\therefore largest angle = $180 - 99 = 81^\circ$

\therefore difference = $81 - 45 = 36^\circ$

66. (3) Number of teachers in

University B = $\frac{17 \times 6400}{100} = 1088$

Number of teachers in University D

$$= \frac{6 \times 6400}{100} = 384$$

Number of teachers in University E

$$= \frac{29 \times 6400}{100} = 1856$$

\therefore Required percentage

$$= \frac{1088}{1856 + 384} \times 100$$

$$= \frac{108800}{2240} = 48.57 \approx 49\%$$

67. (4) Number of teachers in University C

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

Number of female teachers in University C

$$= 1216 \times \frac{25}{100} = 1216 \times \frac{1}{4} = 304$$

Number of male teachers in University C

$$= 1216 - 304 = 912$$

68. (4)

69. (5) Number of teachers in University F

$$= \frac{18 \times 6400}{100} = 1152$$

Number of professors in University F

$$= 1152 \times \frac{1}{36} = 32$$

\therefore Total salary of professors in University F

$$= 32 \times 96000$$

$$= 30.72 \text{ lakh}$$

70. (5) Average = $\frac{704 + 1216 + 384 + 1152}{4}$

$$= \frac{3456}{4} = 864$$

ENGLISH

- | | | |
|----------|---------|---------|
| 71. (1) | 72. (4) | 73. (5) |
| 74. (2) | 75. (2) | 76. (3) |
| 77. (3) | 78. (5) | 79. (3) |
| 80. (3) | | |
| 81. (3) | 82. (5) | 83. (5) |
| 84. (5) | 85. (1) | |
| 86. (5) | 87. (4) | 88. (5) |
| 89. (2) | 90. (3) | |
| 91. (2) | 92. (5) | 93. (5) |
| 94. (4) | 95. (4) | 96. (3) |
| 97. (2) | 98. (1) | 99. (4) |
| 100. (5) | | |

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VOCABULARIES

Word	Meaning in English	Meaning in Hindi
Bartering	To exchange things (such as products or services) for other things instead of for money	वस्तु-विनिमय करना
Viability	Capable of being done in a practical and useful way	व्यावहारिकता
Facilitate	Make easier	सुगम बनाना
Redeem	Pay off (loans or promissory notes)	द्रव्य देकर छुड़ाना
Self-reliance	The ability to do or decide things by yourself	आत्मनिर्भरता
Blueprint	A detailed plan of how to do something	रूपरेखा
Sustainability	The ability to continue or be continued for a long time	निरंतरता
Tangible	Capable of being treated as fact	यथार्थ
Address	To think about a problem or a situation and decide how you are going to deal with it	ध्यान दिलाना
Validated	Made something legally valid	विधिमान्य
Custodial	Providing protective supervision; watching over or safeguarding	अभिरक्षण संबंधी
Futile	Having no result or effect : pointless or useless	निरर्थक
Overriding	Having superior power and influence	अधिभावी
Pessimistic	Expecting the worst possible outcome	निराशावादी
Consent	Permission to do something	सहमति स्वीकृति
Forfeit	Something that is lost or surrendered as a penalty	जुर्माना
Rigorous	Demanding that particular rules, processes, etc. are strictly followed	दृढ़, सख्त
Exorbitant	Going far beyond what is fair, reasonable, or expected	बहुत ज्यादा
Offshoots	A thing that develops from something, especially a small organization that develops from a larger one	शाखा
Sucked up	Taken in metaphorically	शामिल करना
Stagnant	Not growing or changing	निष्क्रिय
Revitalise	To make something stronger, more active or more healthy	पुनर्जीवित करना

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BANK PO PHASE -I MOCK TEST - 27 (ANSWER KEY)

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

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