# BANK PO PHASE-I MOCK TEST-36 (SOLUTION)

## REASONING

1.  (1) 

    I.  ✔
    II. ✔

2.  (5) 

    I.  ✗
    II. ✔

3.  (5) 

    I.  –
    II. ✔

4.  (3) 

    I.  ✔
    II. –

5.  (4) 
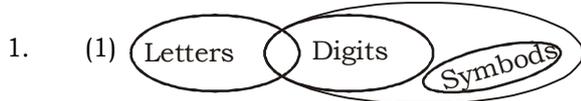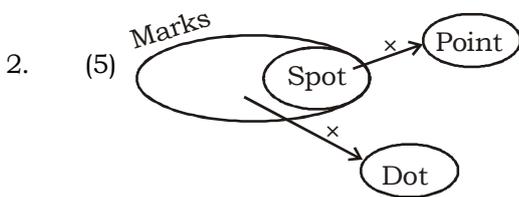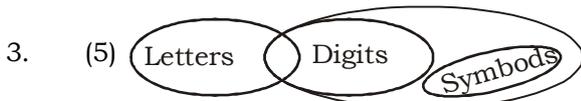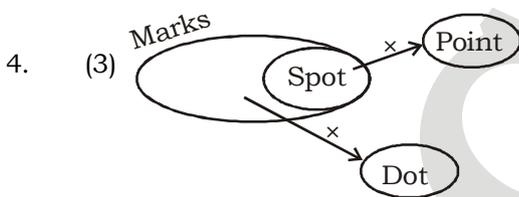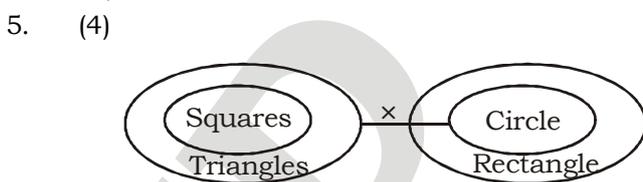
    I.  –
    II. ✗

**(6-10) :**



| challenges | for | rural education | → | vx | pr | bt | ze |

| find | measures | for | problems | → | ws | dl | ze | ho |

| experts | find | challenges | difficult | → | bt | ka | mu | dl |

| education | difficult | in | villages | → | xq | eg | pr | ka |

6.  (4)      7.  (3)      8.  (1)
9.  (3)     10. (1)

**(11–16) :**

| Floor | Person | Bank |
|-------|--------|------|
| 8 | X | HDFC |
| 7 | S | SBI |
| 6 | Z | IDBI |
| 5 | V | AXIS |
| 4 | T | SVC |
| 3 | Y | PNB |
| 2 | U | BOI |
| 1 | W | TJBS |

11. (2)      12. (1)      13. (2)
14. (1)      15. (2)      16. (3)

17. (5) **Statements :**
    $S \le P \le U > N$
    $U > B$
    $L \le S$
    $S \le P \le U > B$
    $L \le S \le P \le U > N$

    **Conclusions :**
    I.  $B > P \rightarrow$ False
    II. $L \le U \rightarrow$ True

18. (3) **Statements :**
    $A > G \ge O \ge N < Y$
    $O \ge S \ge R$
    $A > G \ge O \ge S \ge R$
    $R \le S \le O \ge N < Y$

    **Conclusions :**
    I.  $R < A \rightarrow$ True
    II. $Y > S \rightarrow$ False

19. (1) **Statements :**
    $M > O \ge C \ge K = E \le D$
    $J \ge C$
    $O < Z$
    $J \ge C \ge K = E \le D$
    $Z > O \ge C \ge K = E \le D$

    **Conclusions :**
    I.  $J \ge E \rightarrow$ True
    II. $K < Z \rightarrow$ True

20. (2)

| **Step VI:** | deep | gutter | ball | into | the | has | fallen |
|------|------|--------|------|------|-----|-----|--------|
| | F | G | A | D | E | B | C |
| **Input:** | A | B | C | D | E | F | G |
| | ball | has | fallen | into | the | deep | gutter |

21. (1)

| **Step IV:** | we | can't | measure | the | depth | without | scale |
|------|-----|-------|---------|-----|-------|---------|-------|
| | G | A | D | E | B | C | F |
| **Step VII:** | F | G | E | D | A | B | C |
| | scale | we | the | measure | can't | depth | without |

22. (4)

| Input: | standing | hard | always | is | impossible | for | all |
|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G |
| Step VIII: | E | G | F | C | B | A | D |
| | impossible | all | for | always | hard | standing | is |

23. (3)

| Step I: | play | and | jump | until | you | tired | fully |
|---|---|---|---|---|---|---|---|
| | A | B | E | D | C | F | G |
| Step VI: | F | G | A | D | E | B | C |
| | tired | fully | play | until | jump | and | you |

24. (4) Step VI

| Input: | Try | your | best | until | you | get | goal |
|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G |
| | get | goal | try | until | you | your | best |
| | F | G | A | D | E | B | C |

Now, see the chart. You get FGADEBC in step VI.

25. (2)
26. (3) If should be read, as '>, ≥, >, ='.
27. (1)
(28) (1)

**(29–31) :**
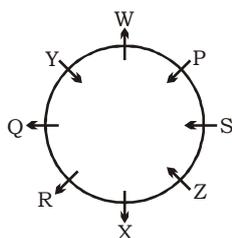


29. (4)    30. (4)    31. (4)
32. (3)    33. (5)

**(34–35) :**
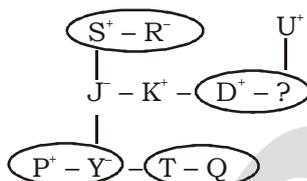


34. (3) maternal uncle
35. (1) Maternal Grand fatehr

### Maths

36. (3) $1599 \times 199 \div 49 - 1398 + 3877$
    $1600 \times 200 \div 50 - 1398 + 3877$
    $6400 + 3877 - 1398$
    $8879 \approx 9000$

37. (4) $7\frac{7}{12} \times 6\frac{7}{19} \div 9\frac{1}{3}$

$\frac{91}{12} \times \frac{121}{19} \div \frac{28}{3}$

$\frac{91}{12} \times \frac{121}{19} \times \frac{3}{28} = 5.5 \approx 5$

38. (1) $514.9 \times 21.7\% - 43.44 = \frac{?}{5.5}$

$515 \times \frac{22}{100} - 43 \approx \frac{?}{5.5}$

$113 - 43 \approx \frac{?}{5.5}$

$70 \times 5.5 \approx ?$

385

39. (2) Krishna : Balram
$38000 \times 12 : 55000 \times 7 = 456 : 385$

∴ Required difference = $\frac{71}{841} \times 22000 \approx ₹$ 1856

40. (3) Total number of ways = $^8C_4 = \frac{8 \times 7 \times 6 \times 5}{4 \times 3 \times 2 \times 1} = 70$

41. (3) Let 3 consecutive even number be $x$, $(x+2)$, $(x+4)$.
$x + (x+2) + (x+4) = (x+2) + 44$
$\Rightarrow 2x + 4 = 44$
∴ $x = 20$
Third number = $20 + 4 = 24$

42. (5) Let the five consecutive even numbers be $2x$, $2x+2$, $2x+4$, $2x+6$, $2x+8$ respectively.
According to question,
$2x + 2x + 2 + 2x + 4 + 2x + 6 + 2x + 8 = 230$
$10x + 20 = 230$
$10x = 230 - 20$

$x = \frac{210}{10} = 21$

∴ Required sum = $(42)^2 + 50 = 1814$

**Shortcut Method**

Middle number = $\frac{230}{5} = 46$

Hence, 42, 44, <u>46</u>, 48, 50

So, $(42)^2 + 50 = 1814$

43. (1) Length of rectangle = 25cm
and breadth of rectangle = $(25 - 10) = 15$cm

∴ Area of square = $\frac{3}{5} \times$ Area of rectangle

$(Side)^2 = \frac{3}{5} \times 25 \times 15$

Side = $\sqrt{225} = 15$ cm

∴ Perimeter of square = $4 \times 15 = 60$ cm

44. (4) Let $x$ = 25% and $y$ = –20%

∴ Total percentage of profit/loss

$$= \left[ x + y + \frac{xy}{100} \right]\%$$

$$= \left[ 25 - 20 - \frac{25 \times 20}{100} \right]\% = 0\%$$

⇒ No profit no loss.

45. (5) Diameter of circle = Length of rectangle = 2cm
= 16 – 2 = 14cm

∴ Radius of circle = $\frac{14}{2}$ = 7cm

Hence, Area of circle = $\pi(7)^2 = \frac{22}{7} \times 7 \times 7$

= 154 sq cm

46. (1) $p$ = ₹ 25000, t - 4 yr

SI = $\frac{2}{10}$ of ₹ 25000 = $\frac{25000 \times 2}{10}$ = ₹ 5000

∴ Rate = $\frac{SI \times 100}{p \times t}$ = $\frac{5000 \times 100}{25000 \times 4}$ = 5%

**Shortcut Method**

$\frac{2}{10} = \frac{1 \times R \times 4}{100}$

R = 5% per annum (here, no need to calculate exact SI)

47. (4) Average weight = $\frac{54 + 64 + 75 + 67 + 45 + 91}{6}$

= $\frac{396}{6}$ = 66 KG

48. (2) Let the present age of Ram = $3x$ years
and persent age of Shyam = $8x$ years
According to question,
After eight years, Ram's age = 20
$3x + 8 = 20$
⇒ $x = 4$

∴ Present age of Shyam = 8 × 4 = 32 years
and 4 yr ago Shyam's age = 32 – 5 = 27 years

49. (2) Speed of tractor = $\frac{384}{16}$ = 24 km/h

∴ Speed to train = $\frac{9}{2}$ × Speed of tractor

= $\frac{9}{12}$ × 24 = 108 km/h.

Distance covered in 12 h by train = 108 × 12 = 1296 km

50. (5) The pattern of number series is as follow

15    25    40    130    510    2560

×1+10   ×2–10   ×3+10   ×4–10   ×5+10

51. (1) The pattern of number series is as follow

186    94    48    25    13.5    7.75

×½+1   ×½+1   ×½+1   ×½+1   ×½+1

52. (2) The pattern of number series is as follow

124    112    176    420    1488    7140

×1–(1)²   ×2–(2)²   ×3–(3)²   ×4–(4)²   ×5–(5)²
×12       ×12       ×12       ×12       ×12

53. (1) Let length of platform be $l_2$.

∴ From statement I, $(l_1 + l_2)$ = Speed × Time

= $(250 + l_2) = 60 \times \frac{5}{18} \times 33 = 250 + l_2 = 550$

∴ $l_2$ = 550 – 250 = 300 m
From statement II, length of platform can't be determined.

54. (5) From statements I and II,

Sriram's share = $\frac{3}{3+5} \times 6200 = \frac{3}{8} \times 6200$

= ₹ 2325

55. (4) From statement I and II, $3x + 4x = 14 \Rightarrow 7x = 14$

∴ Therefore, digits are 3 × 2 = 6 and 4 × 2 = 8
Hence, number may be 68 or 86.

∴ Some more information is required.

56. (3) From statement I,
Let Shyam's monthly salary be ₹ $x$.

∴ Shyam saves $x \times \frac{1}{10}$ = ₹ 1850

∴ $x$ = ₹ 18500
From statement II,
Ram's salary = 75% of shyam's salary

∴ Shyam's salary = $\frac{\text{Ram's salary} \times 100}{75}$

= $\frac{13875 \times 100}{75}$ = ₹ 18500

57. (5) From statements I and II,
$8x - 7x = 7 \Rightarrow x = 7$

∴ Number of children = $(8x + 7x) = 15x = 15 \times 7 = 105$

58. (4) 

| Mona | : | Paro | : | Geeta |
|------|---|------|---|-------|
| 3 | | 5 | | |
| | | 2 | | 3 |
| 6 | : | 10 | : | 15 |

∴ Ratio of ages of Mona, Paro and Geeta = 6 : 10 : 15
According to the questions, age of any of them is not given.
Hence, age of Mona can't be determined.

59. (2) Given, $9x + 3y = 54$

and $\dfrac{28x}{12y} = \dfrac{140}{39}$

$\Rightarrow 13x - 20y = 0$

From eqs. (i) and (ii) on solving we get,

$x = 5, y = 3$

Hence, value of $y - x = 3 - 5 = -2$

60. (3) Suppose the amount B gets is ₹ 100

Thus, C = ₹ 75

A = $75 \times \dfrac{125}{100}$ = ₹ 93.75

Now, $\dfrac{2236}{268.75} \times 93.75$

= ₹ 780

61. (3) Suppose original fraction be $\dfrac{x}{y}$

$\therefore \dfrac{x \times 300\%}{y \times 250\%} = \dfrac{9}{10}$

$\Rightarrow \dfrac{x}{y} \times \dfrac{9}{10} \times \dfrac{250}{300} = \dfrac{3}{4}$

62. (4) Part of the tank filled in every 3 min =

$\dfrac{1}{20} + \dfrac{1}{15} + \dfrac{1}{12}$

$= \dfrac{3+4+5}{60} = \dfrac{1}{5}$

Hence, total taken = $5 \times 3 = 15$ min.

63. (5) When the second SP is $\dfrac{1}{x}$ of the original selling price, then

Profit percent = $x$ (100 – loss percent) – 100

= 3(100 – 45) – 100 = 65%

64. (5) Two balls can be drawn out of 17 (8 + 9) balls in $^{17}C_2$ ways

$= \dfrac{17!}{215!} = 17 \times 8 = 136$

One white can be drawn out from 8 balls in $^{8}C_1$ = 8 ways

Similarly, 1 black ball can be drawn $^{9}C_1$ = 9 ways

$\therefore$ P(E) = $\dfrac{9 \times 8}{136} = \dfrac{72}{136} = \dfrac{9}{17}$

65. (2) Let amount × be lent on 8% per annum.

$\therefore \dfrac{x \times 8 \times 5}{100} + \dfrac{(800 - x) \times 4 \times 5}{100} = 2200$

$\Rightarrow 40x + 20 (8000 - x) = 220000$

$\Rightarrow 20x + 160000 = 22 0000$

$\therefore x = \dfrac{220000 - 160000}{20}$ = ₹ 3000

66. (2) Required ratio = $\dfrac{32.5\,lakh}{27.5\,lakh} = \dfrac{13}{11}$

67. (5) Approximate average number

$= \dfrac{27.5 + 27.5 + 30 + 32.5 + 22.5 + 35}{6}$

$= \dfrac{175}{6}$ = 29.16 lakh = 2917000

68. (4) Required percent = $\dfrac{30}{22.5} \times 100 = 133.33$

» 133%

69. (3) Required ratio = $\dfrac{27.5 + 27.5 + 30}{32.5 + 22.5 + 35}$ =

$\dfrac{85}{90} = \dfrac{17}{18}$ = 17 : 18

70. (1) Required percentage = $\dfrac{30}{175} \times 100$ » 17.14%

### ENGLISH LANGUAGE

71. (4) "investment and consumption **are** lower than expected".

72. (4) "Which can **be** overlooked".

73. (5) No error

74. (2) "delivered **at** branches such as".

75. (4) It will take 'has' as there is a singular verb 'A system ........'. Thus, it should be as "has caused many Japanese firms to fairl".

# VOCABULARIES

| Word | Meaning in English | Meaning in Hindi |
| --- | --- | --- |
| Misconception | A belief or an idea that is not based on correct information, or that is not understood by people. | गलत धारणा |
| Overlook | To fail to see or notice something. | ध्यान में न ला पाना |
| Appraisal | A judgement of the value, performance or nature of somebody/something. | मूल्यांकन |
| Exposure | The act of showing something that is usually hidden | विवरण, खुलासा |
| Entities | Something that exists separately from other things and has its own identity. | तत्व |
| Abound | To exist in great numbers or quantities | प्रचुर मात्रा में होना |
| Anonymity | The state of remaining unknown to most other people | अज्ञात |
| Fraught | Filled with something unpleasant. | भरा हुआ |
| Compliance | Acting according to certain accepted standards | अनुपालन |
| Perception | The ability to see, hear, or become aware of something through the senses. | अनुभूति |
| Due diligence | Reasonable steps taken by a person in order to satisfy a legal requirement, especially in buying or selling something. | यथोचित परिश्रम |
| The pros and cons | The advantages and disadvantages of something | फायदे और नुकसान |
| Prevalent | That exists or is very common at a particular time or in a particular place. | प्रचलित |
| Plummet | To fall suddenly and quickly from a high level or position | तेजी से गिरना |
| Set in motion | To start something moving | चलाना, शुरू करना |
| Strides | An improvement in the way something is developing. | उन्नति |
| Stamp out | To get rid of something that is bad, unpleasant or dangerous, especially by using force or a lot of effort. | खत्म करना |
| Strap | Fasten or secure in a specified place or position with a strap or seat belt. | फीता बाँधना |
| Ceiling | The highest limit or amount of something. | अधिकतम ऊँचाई/सीमा |

## BANK PO PHASE -I MOCK TEST - 36 (ANSWER KEY)

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

*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*