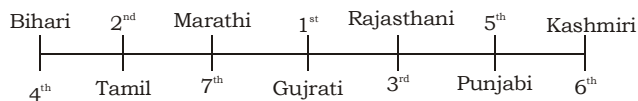


IBPS PO/Clerk PHASE-I MOCK TEST-61 (SOLUTION)

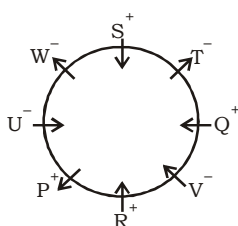
REASONING

(12-18) :



12. (4) 13. (3) 14. (2)
15. (3) 16. (5) 17. (5)
18. (3)

(19-25) :



19. (3) 20. (2) 21. (4)
22. (2) 23. (2) 24. (4)
25. (4)

(26 - 28) :

Input : fun 89 at the 28 16 base camp 35 53 here 68

Step I : 89 fun at 28 16 base camp 35 53 here 68 the

Step II : 16 89 fun at 28 base camp 35 53 68 the here

Step III : 68 16 89 at 28 base camp 35 53 the here fun

Step IV : 28 68 16 89 at base **35 53** the here fun camp

Step V : 53 28 68 16 89 at 35 the here fun camp base

Step VI : 35 53 28 68 16 89 the here fun camp base at

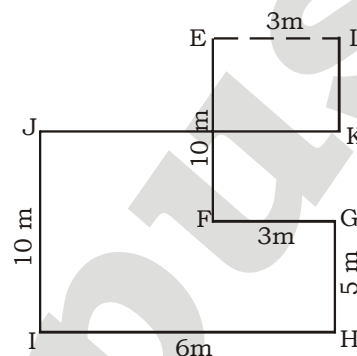
26. (2) 27. (3) 28. (4)

(29-33) :

Persons	City	Cars
Robin		
Harley Quinn ⁻	New York	Mercedes
Raven ⁺		
Deadshot ⁻		
Spectre ⁺	Mumbai	Jaguar
Griggs		
Joker ⁺	London	Audi
Atom ⁻		

29. (4) 30. (5) 31. (5)
32. (2) 33. (1)

(34-35) :



34. (1) 35. (4)

MATHS

36. (2) ? = $2959.85 \div 16.001 - 34.99$
 $\approx 2960 \div 16 - 35$
 $= \frac{2960}{16} - 35 = 185 - 35 = 150$

37. (4) ? = $(1702 \div 68) \times 136.05$
 $\approx \frac{1700}{68} \times 136 = 3400$

38. (5) ? = $\frac{2950}{12.25} + 160 = 400.81 \approx 400$

39. (1) ? = $25.05\% \text{ of } 2845 + 14.95 \times 2400$
 $\approx \frac{25}{100} \times 2845 + 15 \times 2400$
 $= 711.25 + 36000$
 $= 36711.25 \approx 36700$

40. (5) ? $\approx \frac{186 \times 271}{40} = 1260.15 \approx 1260$

41. (5) Reqd % = $\frac{\text{a}17000 - 9000}{\text{b}9000} \cdot 100\frac{\text{d}}{\text{e}}\%$
 $= 88 \frac{8}{9}\%$

42. (4) Hero₂₀₀₈ = $20000 \times \frac{81}{100} = 16200$
Hercules₂₀₀₆ = $12000 \times \frac{75}{100} = 9000$

□ Reqd% = $\frac{\text{a}16200}{\text{b}9000} \cdot 100\frac{\text{d}}{\text{e}}\% = 180\%$

43. (2) Unsold cycle = $15000 \times 0.36 + 12000 \times 0.25 + 15000 \times 0.28 + 18200 \times 0.40 + 15000 \times 0.16 + 18000 \times 0.08$
 $= 5400 + 3000 + 4200 + 7280 + 2400 + 1440$
 $= 23720$

44. (2) $\text{Hercules}_{2007} = \frac{15000 - 12000}{12000} \cdot 100\%$
 $= 25\%$

$\text{Hercules}_{2008} = \frac{18200 - 15000}{15000} \cdot 100\%$
 $= 21.23\%$

$\text{Hercules}_{2010} = \frac{18000 - 15000}{15000} \cdot 100\%$
 $= 20\%$

45. (3) Difference between sold cycles (Hero - Hercules) in
 2005 $\rightarrow 9600 - 8750 = 850$
 2006 $\rightarrow 9000 - 5940 = 3060$
 2007 $\rightarrow 13260 - 10800 = 2460$
 2008 $\rightarrow 16200 - 10920 = 5280$
 2009 $\rightarrow 12600 - 9100 = 3500$
 2010 $\rightarrow 16560 - 12480 = 4080$

46. (5) The given series is based on the following pattern:
 $104 + 5 = 109;$ $109 - 10 = 99;$
 $99 + 15 = 114;$ $114 - 20 = 94;$
 $94 + 25 = 119$
 Hence, 119 will come in place of the question mark.

47. (3) The given series is based on the following pattern :
 $980 \div 2.5 = 392;$ $392 \div 2.5 = 156.8;$
 $156 \div 2.5 = 62.72;$ $62.72 \div 2.5 = 25.088;$
 $25.088 \div 2.5 = 10.0352$
 Hence, 62.72 will come in place of the question mark.

48. (4) The given series is based on the following pattern :
 $14 \times 1 + 2 = 16;$ $16 \times 2 + 3 = 35;$
 $35 \times 3 + 4 = 109;$ $109 \times 4 + 5 = 441;$
 $441 \times 5 + 6 = 2211$
 Hence, 2211 will come in place of the question mark.

49. (1) The given series is based on the following pattern:
 Numbers are cubes of consecutive prime numbers. i.e.
 $1^3 = 1331;$ $13^3 = 2197;$
 $17^3 = 4913;$ $19^3 = 6859;$
 $23^3 = 12167;$ $25^3 = 15625$
 Hence, 12167 will come in place of the question mark.

50. (2) The given series is based on the following pattern

$3600 \div 5 + 5 = 725;$ $725 \div 5 + 5 = 150;$
 $150 \div 5 + 5 = 35;$ $35 \div 5 + 5 = 12;$
 $12 \div 5 + 5 = 7.4$

Hence, 7.4 will come in place of the question mark.

51. (4) According to question,
 Mohan + Rohan + 2Shyam = 59(i)
 Shyam + Rohan + 3Mohan = 68 (ii)
 Mohan + 3Shyam + 3Rohan = 108 ...(iii)
 Subtract equation (iii) from thrice the equation (ii), we get
 $3\text{Shyam} + 3\text{Rohan} + 9\text{Mohan} - \text{Mohan} - 3\text{Shyam} - 3\text{Rohan} = 204 - 108$
 $\Rightarrow 8\text{Mohan} = 96$

$\Rightarrow \text{Mohan} = \frac{96}{8} = 12 \text{ years}$

52. (4) Let the money borrowed be ₹ x and rate be $r\%$.
 and Time = 2 years

$\therefore 4000 = \frac{x \times r \times 2}{100}$

$\Rightarrow rx = 200000$

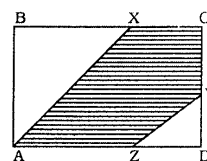
and $x \left(1 + \frac{r}{100}\right)^2 = x + 4200$

$\Rightarrow x + \frac{xr^2}{10000} + \frac{2xr}{100} = 4200 + x$

$\Rightarrow 20r + 4000 = 4200$

$\Rightarrow r = 10\%$

53. (4)



$BC = BX + XC = 3x + 2x = 5x \text{ cm}$

$CD = CY + YD = 2y + y = 3y \text{ cm}$

$\therefore 5x \times 3y = 120$

$\Rightarrow xy = 8 (= 4 \times 2)$

$BC = 20 \text{ cm}$

$CD = 6 \text{ cm}$

$BX = \frac{3}{5} \times 20 = 12 \text{ cm}$

$YD = \frac{1}{3} \times 6 = 2 \text{ cm}$

$ZD = \frac{1}{4} \times 20 = 5 \text{ cm}$

\therefore Area of the shaded region

$= 120 - \Delta ABX - \Delta ZYD$

$= 120 - \frac{1}{2} \times 12 \times 6 - \frac{1}{2} \times 2 \times 5$

$= 120 - 36 - 5 = 79 \text{ sq.cm.}$

54. (1) Equivalent capital of Sonu for 3 year
 $= ₹ (60,000 \times 1 + 80,000 \times 2)$
 $= ₹ (60,000 + 1,60,000) = ₹ 2,20,000$
 Equivalent capital of Monu for 3 year
 $= ₹ (90,000 \times 2 \frac{1}{2})$
 $= ₹ ₹ 90,000 \cdot \frac{5}{2} = ₹ 22,50,00$

Ratio of their capitals = 220000 : 225000
 $= 44 : 45$
 Sum of ratios = 44 + 45 = 89
 Total profit = ₹ 71,20,000
 \therefore Sonu's share

$= ₹ \frac{44}{89} \cdot 71,20,000$
 $= ₹ 35,20,000$

55. (4) Salma's monthly salary

$= ₹ \left(\frac{2170 \times 100}{7} \right) = ₹ 31000$

Percentage monthly investment by Sujata
 $= 7 + 18 + 6 = 31\%$
 Salma's annual investment

$= 12 \times \frac{31}{100} \times 31000 = ₹ 1,15,320$

56. (2) Required number $\frac{61.2}{360} \times 48600 + \frac{28.8}{360}$
 $= 862500$
 $= 8262 + 5000 = 13262$

57. (5) $M_{2008} = \frac{64.8}{360} \times 48600 = 8748$

$M_{2009} = \frac{54}{360} \times 62500 = 9375$

Required% = $\frac{8748}{9375} \cdot 100\% = 93.312\%$
 $\approx 93\%$

58. (3) Required ratio = $48600 \times \frac{72}{360} : 62500 \times$
 $\frac{86.4}{360}$
 $= 9720 : 15000$
 $= 81 : 125$

59. (2) Required number

$= 48600 \times \frac{61.2 + 64.8 + 61.2}{360} + 62500$
 $\times \frac{64.8 + 54 + 28.8}{360}$
 $= 25272 + 25625$
 $= 50897$

60. (5) $E_{2009} = \frac{64.8}{360} \times 62500 \times 62500 = 11250,$

$C_{2009} = \frac{28.8}{360} \times 62500 = 5000$

Percentage = $\frac{11250 - 5000}{5000} \times 100$

$= \frac{11250 - 5000}{5000} = 125\%$

61. (1) Books on Economics are to be kept together. Hence, we are to arrange 3 books on management, 4 books on Statistics and one book on Economics.

These can be arranged in 8! ways.

Again, 4 books on Economics can be arranged together in 4! ways.

\therefore Total number of arrangements

$= 8! \times 4! = 967680$

$[n! = 1.2.3.4 \dots (n-1)(n)]$

62. (2) C.P. of article

$= 1265 \times \frac{100}{110} \times \frac{100}{115} \times \frac{100}{125}$

$= ₹ 800$

63. (4) New ratio of fares (1st, 2nd and 3rd)

$= 8 \times \frac{5}{6} : 6 \times \frac{11}{12} : 3 \times 1$

$= 80 : 66 : 36 = 40 : 33 : 18$

Ratio of passengers = 9 : 12 : 26

\Rightarrow Ratio of amount collected

$= 40 \times 9 : 12 \times 33 : 26 \times 18$

$= 90 : 99 : 117$

Amount collected from 1st class fares

$= \frac{99}{306} \times 1088 = ₹ 320$

64. (2) \therefore Distance between 21 posts

$= (21 - 1) \times 50 = 1000 \text{ m}$

\therefore Speed of train = 1 km/min = 60 km/h

65. (2) Let one man takes x days to complete the work and one woman takes y days to complete the work independently.

$$\text{Then, } \frac{4 \times 4}{x} + \frac{10 \times 4}{y} = \frac{1}{3}$$

$$\text{and } \frac{6 \times 2}{x} + \frac{12 \times 2}{y} = \frac{2}{9}$$

Solving above equations, we get
 $x = 108, y = 216$

Let z women be added to complete the work in 3 days.

$$\text{Then, } \frac{6 \times 3}{108} + \frac{3(12+z)}{216}$$

$$= 1 - \left(\frac{1}{3} + \frac{2}{9} \right) = \frac{4}{9}$$

$$\Rightarrow 36 + 36 + 3z = \frac{216+4}{9} = 96$$

$$\Rightarrow 3z = 96 - 72 = 24 \Rightarrow z = 8$$

66. (3) I. $8x^2 + 6x - 5 = 0$
 $\Rightarrow 8x^2 - 4x + 10x - 5 = 0$
 $\Rightarrow 4x(2x - 1) + 5(2x - 1) = 0$
 $\Rightarrow (4x + 5)(2x - 1) = 0$

$$\Rightarrow x = -\frac{5}{4} \text{ or } \frac{1}{2}$$

- II. $12y^2 - 22y + 8 = 0$
 $\Rightarrow 6y^2 - 11y + 4 = 0$
 $\Rightarrow 6y^2 - 8y - 3y + 4 = 0$
 $\Rightarrow 2y(3y - 4) - 1(3y - 4) = 0$
 $\Rightarrow (2y - 1)(3y - 4) = 0$

$$\Rightarrow y = \frac{1}{2} \text{ or } \frac{4}{3}$$

Clearly, $x \leq y$

67. (5) Equation (i) $\times 2$ + Equation (ii),
 $8x + 14y + 12x - 14y = 418 - 38$
 $\Rightarrow 20x = 380$

$$\Rightarrow x = \frac{380}{20} = 19$$

- From (i),
 $4 \times 19 - 7y = 209$
 $\Rightarrow 7y = 76 - 209$
 $\Rightarrow 7y = -133$
 $\Rightarrow y = -19$

Clearly, $x > y$

68. (1) I. $17x^2 + 48x - 9 = 0$
 $\Rightarrow 17x^2 + 51x - 3x - 9 = 0$
 $\Rightarrow 17x(x + 3) - 3(x + 3) = 0$
 $\Rightarrow (17x - 3)(x + 3) = 0$
 $\Rightarrow x = \frac{3}{17} \text{ or } -3$

- II. $13y^2 - 32y + 12 = 0$
 $\Rightarrow 13y^2 - 26y - 6y + 12 = 0$
 $\Rightarrow 13y(y - 2) - 6(y - 2) = 0$
 $\Rightarrow (13y - 6)(y - 2) = 0$

$$\Rightarrow y = \frac{6}{13} \text{ or } 2$$

Clearly, $x < y$

69. (4) I. $18x^2 + 18x + 4 = 0$
 $\Rightarrow 9x^2 + 9x + 2 = 0$
 $\Rightarrow 9x^2 + 6x + 3x + 2 = 0$
 $\Rightarrow 3x(3x + 2) + 1(3x + 2) = 0$
 $\Rightarrow (3x + 1)(3x + 2) = 0$

$$\Rightarrow x = -\frac{1}{3} \text{ or } -\frac{2}{3}$$

- II. $12y^2 + 29y + 14 = 0$
 $\Rightarrow 12y^2 + 21y + 8y + 14 = 0$
 $\Rightarrow 3y(4y + 7) + 2(4y + 7) = 0$
 $\Rightarrow (3y + 2)(4y + 7) = 0$

$$\Rightarrow y = -\frac{2}{3} \text{ or } -\frac{7}{4}$$

Clearly, $x \geq y$

70. (2) I. $16x^2 + 20x + 6 = 0$
 $\Rightarrow 8x^2 + 10x + 3 = 0$
 $\Rightarrow 8x^2 + 6x + 4x + 3 = 0$
 $\Rightarrow 8x^2 + 6x + 4x + 3 = 0$
 $\Rightarrow 2x(4x + 3) + 1(4x + 3) = 0$

$$\Rightarrow x = -\frac{1}{2} \text{ or } -\frac{3}{4}$$

- II. $10y^2 + 38y + 24 = 0$
 $\Rightarrow 5y^2 + 19y + 12 = 0$
 $\Rightarrow 5y^2 + 15y + 4y + 12 = 0$
 $\Rightarrow 5y(y + 3) + 4(y + 3) = 0$

$$\Rightarrow y = -\frac{4}{5} \text{ or } -3$$

Clearly, $x > y$

ENGLISH LANGUAGE

(91-95) : (BADECF)

91. (2) 92. (1) 93. (4)
 94. (3) 95. (5)
 96. (4) Replace 'arising' by 'rising'.
 97. (2) Replace 'are' by 'is', as the verb will follow the subject and the sentence i.e, 'Duke's collection' which is singular in nature.
 98. (3) Replace 'it' by plural pronoun 'them'.
 99. (3) Replace 'faster' by 'the fastest'.
 100. (4) Change the sentence in simple past as 'he went home'.

VOCABULARIES

Words	Meaning in English	Meaning in Hindi
Grapple	Engage in a close fight or struggle without weapons	हाथापाई करना
Entrenched	Established and difficult or unlikely to change; ingrained	निहित
Bickering	Argue about petty and trivial matters.	बहस करना
Passive (Resistance)	Nonviolent opposition to authority, especially a refusal to cooperate with legal requirements.	शांतिपूर्ण विरोध
Cynicism	The belief that something good will not happen or that something is not important	अविश्वास, संदेह
Cumulative	Increased result in quantity, degree, or force by successive additions	कुल, संचयी
Disengaged	Separated or detached	अलग, असंगठित
Predisposed	Make someone liable or inclined to a specified attitude, action, or condition	झुका हुआ, अधोमुख
Spiralling	increasing rapidly	बढ़ता हुआ
Consistency	conformity in the application of something	संगतता, सामंजस्य
Rationale	the principles or reasons which explain a particular, course of action	औचित्य, मूल कारण
Articulate	having or showing the ability to speak fluently and coherently	स्पष्ट बोलना
Grounded	practicable; acceptable	स्वीकार्य
Appraisal	an act of assessing something	मूल्यांकन
Reinforcing	strengthening or supporting	सुदृढ़ करते हुए
Concerted	jointly arranged, planned, or carried out; coordinated	सम्मिलित, संगठित
Aligning	giving support to	मजबूत करते हुए
Concede	to accept or surrender	मान लेना, स्वीकार करना
Divisive	tending to cause disagreement or hostility	बांटने वाला
Scrupulously	honestly or uprightly	ईमानदारीपूर्वक
Overcome	succeed in dealing with (a problem or difficulty)	जीतना, काबू पाना


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IBPS PO/Clerk PHASE -I MOCK TEST - 61 (ANSWER KEY)

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