

IBPS PO MAIN (PHASE - II) MOCK TEST-119 (SOLUTION)

Reasoning & Computer Aptitude

(1-5):

| Friend | Profession | College |
|------------------|------------|---------|
| W ⁽⁺⁾ | Engineer | VI |
| X ⁽⁺⁾ | Judge | I |
| Y ⁽⁺⁾ | Doctor | V |
| Z ⁽⁺⁾ | IAS | VII |
| M ⁽⁺⁾ | SI | II |
| N ⁽⁺⁾ | Principal | IV |
| Q ⁽⁺⁾ | PO | III |

1. (4) 2. (2) 3. (3)
4. (1) 5. (5)

(6-10):

| Box | Colour |
|-----|--------|
| N | Blue |
| Q | Orange |
| S | Yellow |
| M | Green |
| R | Pink |
| O | Red |
| P | White |

6. (2) 7. (3) 8. (1)
9. (3) 10. (5)

(11-15):

Input: much 31 is 36 she 21 that 41 how 34
find 42

Step I: how 36 much 31 is she 21 that 41 34
find 42

Step II: that 34 how 36 much 31 is she 21 41
find 42

Step III: is 42 that 34 how 36 much 31 she 21 41
find

Step IV: much 41 is 42 that 34 how 36 31 she 21
find

Step V: she 31 much 41 is 42 that 34 how 36 21
find

Step VI: find 21 she 31 much 41 is 42 that 34
how 36

11. (4) 12. (4) 13. (5)
14. (5) 15. (4)

(16-20):

* → ≤ % → =
& → < © → ≥
@ → >

16. (1) $A \geq B > I = J$
I. $A > J \rightarrow$ True
II. $B = J \rightarrow$ False
III. $J \leq A \rightarrow$ False
Only I is true.

17. (4) $M > N \leq K \geq L$
I. $K > M \rightarrow$ False
II. $L = N \rightarrow$ False
III. $L \leq M \rightarrow$ False
None is true

18. (3) $Q < P > D \geq E$
I. $E \leq P \rightarrow$ False
II. $D < Q \rightarrow$ False
III. $P > E \rightarrow$ True
Only III is true.

19. (2) $Z = Y \leq R < S$
I. $Y < S \rightarrow$ True
II. $R \geq Z \rightarrow$ True
III. $Z \leq S \rightarrow$ False
Only I and II are true

20. (3) $U > V \geq K \leq P$
I. $K = U \rightarrow$ False
II. $U \leq K \rightarrow$ False
III. $U > K \rightarrow$ True
Only III is true

(21-23):

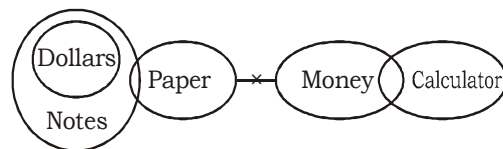
Read 4B as 1B in first statement hang.
For eg. hang is codes as 1B.

Difference between the position of first and last letter and in the given word every second letter is followed by next letter.

21. (3) smoking is coded as 12N
22. (4) basically is coded as 23B
23. (2) painting is coded as 9B

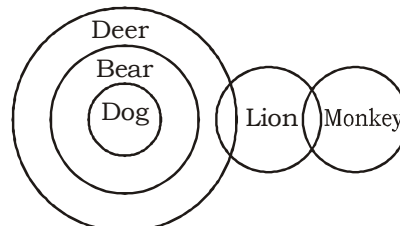
(24-28):

24. (5)



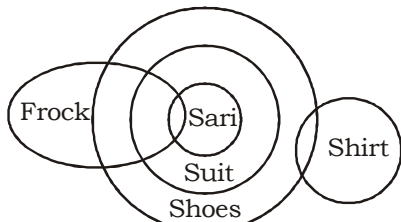
- I. → Doubt II. → False
III. → Doubt IV. → False
Either I or III follows.

25. (5)



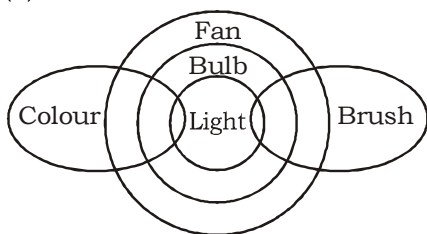
- I. → True II. → False
III. → False IV. → False
None of the above

26. (5)



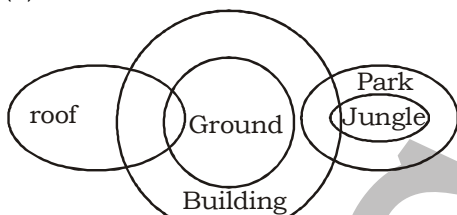
I. → Doubt II. → True
III. → Doubt IV. → True
Either I or III and II and IV follow

27. (1)



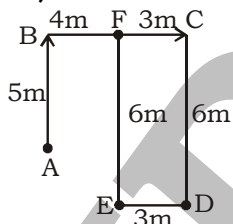
I. → True II. → True
III. → False IV. → True
None of these

28. (3)



I. → False II. → False
III. → True IV. → True
III and IV Follow.

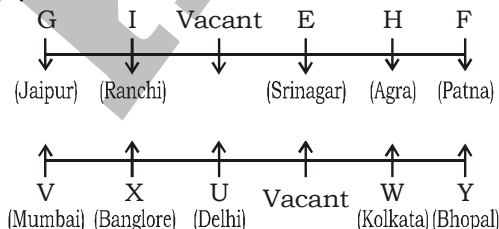
(29 - 30) :



29. (5) $FA = \sqrt{5^2 + 4^2}$
 $= \sqrt{41}$ m towards north east

30. (4)

(31-35) :



31. (3)

32. (4)

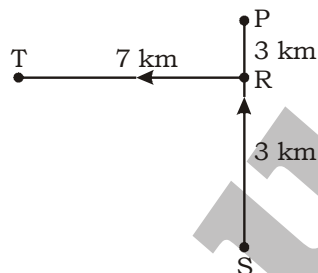
33. (3)

34. (5)

35. (3)

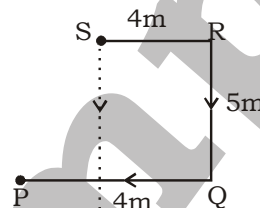
(36-40) :

36. (3) **From statement I.**



Hence P is to the north of S.

From statement II.



Hence P is to the southwest of S.

So, either alone I or II required.

37. (2) **From statement I.**

- - - - A - - - D - - - E

From statement II.

F > B > D > C > A/E > E/A

Hence, Q is the second tallest

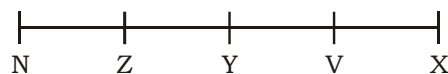
38. (4) **From statement I and II.**

We don't know whether K is to the left or right of L.

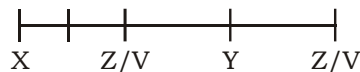
Hence, we can't say about the position of K.

39. (1) **From statement I :**

Statement I is sufficient to answer the question.

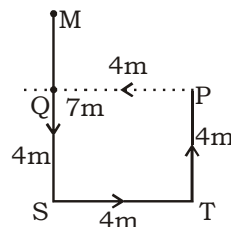


From statement II :



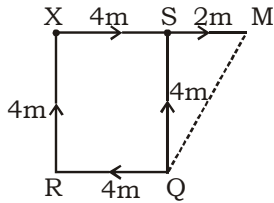
Statement II is not satisfied.

40. (3) **From statement I :**



∴ MQ = 7 - 4 = 3m

From statement II :



$$\therefore MQ = \sqrt{4^2 + 2^2} = \sqrt{20} = 2\sqrt{5} \text{ m}$$

41. (4) 42. (2) 43. (4)
44. (4) 45. (2)

Data Analysis & Interpretation

(121-125) :

Number of male students = 160

Number of female students = 240

| Male | Female |
|---|--|
| Drama = $\frac{1 \times 160}{8} = 20$ | Drama = $\frac{25 \times 240}{100} = 60$ |
| Dance = $105 \times \frac{3}{7} = 45$ | Dance = $\frac{40 \times 240}{100} = 96$ |
| Painting = $105 \times \frac{4}{7} \times 60$ | Painting = $\frac{4}{7} \times 84 = 48$ |
| Singing = $\frac{25 \times 140}{100} = 35$ | Singing = $\frac{3}{7} \times 84 = 36$ |

121. (3) Required answer = $60 + 48 = 108$
122. (2) Required difference = $60 - 36 = 24$
123. (5) Required ratio = $36 : 45 = 4 : 5$
124. (1) Required answer = $(20 + 45) + (60 + 96) = 65 + 156 = 221$
125. (4) Required ratio = $35 : 48$

(126-130) :

Suppose x units are produced in each year

In year 2007 :

$$25x = 4500$$

$$\Rightarrow x = 180$$

$$\therefore \text{profit} = ₹ 2500$$

$$\therefore \text{CP} = ₹ (4500 - 2500) = ₹ 2000$$

\therefore Cost per unit

$$= \frac{2000}{180} = ₹ 11.11$$

In year 2009:

$$30x = 4200$$

$$\Rightarrow x = ₹ 140$$

$$\therefore \text{CP} = ₹ (4200 - 2500) = ₹ 1700$$

\therefore Cost per unit

$$= \frac{1700}{140} = ₹ 12.14$$

In year 2010:

$$30x = 5100$$

$$\Rightarrow x = ₹ 170$$

$$\therefore \text{profit} = ₹ 3000$$

$$\therefore \text{CP} = ₹ (5100 - 3000) = ₹ 2100$$

$$\text{Cost per unit} = \frac{2100}{170} = ₹ 12.35$$

In year 2011:

$$25x = 4000$$

$$\text{or, } x = ₹ 160$$

$$\therefore \text{profit} = ₹ 1500$$

$$\therefore \text{CP} = ₹ (4000 - 1500) = ₹ 2500$$

\therefore Cost per unit

$$= \frac{2500}{160} = ₹ 15.625$$

In year 2013:

$$25x = 3500$$

$$\text{or, } x = ₹ 140$$

$$\therefore \text{profit} = ₹ 2000$$

$$\therefore \text{CP} = ₹ (3500 - 2000) = ₹ 1500$$

\therefore Cost per unit

$$= \frac{1500}{140} = ₹ 10.71$$

Hence, in the year 2011 cost price per unit is the maximum

127. (5) Cost = Revenue - Profit

$$\text{Cost in 2007} = 4500 - 2500 = ₹ 2000$$

$$2008 = 4000 - 2000 = ₹ 2000$$

$$2009 = 4200 - 2500 = ₹ 1700$$

$$2010 = 5100 - 3000 = ₹ 2100$$

$$2011 = 4000 - 1500 = ₹ 2500$$

$$2012 = 3500 - 2500 = ₹ 1000$$

$$2013 = 3500 - 2000 = ₹ 1500$$

$$2014 = 4000 - 3500 = ₹ 500$$

Average =

$$\frac{2000 + 2000 + 1700 + 2100 + 2500 + 1000 + 1500 + 500}{8}$$

$$= ₹ 1662.5$$

128. (1)

| Year | Revenue | Total cost (old revenue-profit) |
|------|--------------------|---------------------------------|
| 2007 | 80% of 4500 = 3600 | 4500-2500 = 2000 |
| 2008 | 80% of 4000 = 3200 | 4000-2000=2000 |
| 2009 | 80% of 4200 = 3360 | 4200-2500=1700 |
| 2010 | 80% of 5100 = 4080 | 5100-3000=2100 |
| 2011 | 4000 | 120% of (4000-1500=2500) = 3000 |
| 2012 | 3500 | 120% of (3500-2500=1000)=1200 |
| 2013 | 3500 | 120% of (2500-1000=1500)=1800 |
| 2014 | 4000 | 120% of (4000-3500=500)=600 |

- $$= \left(\frac{4000}{20} + \frac{4200}{30} + \frac{5100}{30} + \frac{4000}{25} + \frac{3500}{35} \right) \times \frac{1}{5}$$
- $$= (200 + 140 + 170 + 160 + 100) \times \frac{1}{5}$$
- $$= 770 \times \frac{1}{5} = 154$$
130. (5) Total decrease in revenue
 = 25% of (4500 + 4000 + 4200 + 5100)
 = ₹ 4,450
 Total increase in cost
 = 25% of (2500 + 1000 + 1500 + 500)
 = ₹ 1,375
 \therefore Decrease in cumulative profit
 = Total decrease in revenue + Total increase in cost
 = 4450 + 1375 = ₹ 5825
131. (4) Average rate of 15 - 6 = $(8.5 + 7.5 + 4.5 + 23.5 + 9.5 + 9.5)/6 = 63/6 = 10.5$
 Average of rate Q-3 = $(7.25 + 6.25 + 4.5 + 22.5 + 8.25 + 8.25)/6 = 57/6 = 9.50$
 \therefore Required Difference = 10.50 - 9.50 = 1.00
132. (2) Average of MSF = $(9.5 + 9.75 + 8.25 + 8.75 + 8.25 + 9.50)/6 = 54/6 = 9$
 Average of Reverse Repo Rate = $(6.50 + 5.25 + 6.25 + 6.75 + 6.75 + 7.50)/6 = 39/6 = 6.50$
 Required sum = 9 + 6.50 = 15.50
133. (3) Sum of repo rate = $(7.50 + 6.25 + 7.25 + 7.75 + 7.75 + 8.5) = 45$
 Sum of Reverse Repo Rate = $(6.50 + 5.25 + 6.25 + 6.75 + 6.75 + 7.5) = 39$
 Required Ratio = 45 : 39 = 45 : 39 = 15 : 13
134. (1) Sum of Repo Rate = $(7.50 + 6.25 + 7.25 + 7.75 + 7.75 + 8.5) = 45$
 Sum of SLR = $(22.50 + 23 + 22.50 + 23.50 + 22 + 23.50) = 137$
 Required % = $\left(\frac{45}{137} \times 100 \right) = 32.846\%$
 $\approx 32.85\%$
135. (3) Sum of Rate in Q-4 = $(7.75 + 6.75 + 4.75 + 23.50 + 8.75 + 8.75) = 60.25$
 Sum of Rate in Q-1 = $(7.50 + 6.50 + 4.25 + 22.50 + 9.50 + 9.50) = 59.75$
 Required % = $\left(\frac{60.25}{59.75} \times 100 \right) \% = 100.836\% \approx 100.84\%$
136. (4) Required total = $58.75 \times 0.80 + 78.75 \times 0.80 + 81.25 \times 0.80 + 82.5 \times 0.80 + 77.5 \times 0.80 + 76.25 \times 0.80$
 = 47 + 63 + 65 + 66 + 62 + 61 = 364
137. (2) Total marks in Physics = $0.80 \times (77.5 + 83.75 + 55 + 58.75 + 67.5 + 73.75 + 81.25)$
 = $0.80 \times 497.5 = 398$
 \therefore Required average = $\frac{398}{7} = 56.857$
 ≈ 56.85
138. (3) Score of T in Maths = $80 \times \frac{85}{100} = 68$
 Score of S in Maths = $80 \times \frac{52.5}{100} = 42$
 \therefore Required % = $\left(\frac{68}{42} \times 100 \right) \% = 161.9\%$
139. (1) Total marks of R = $\frac{80}{100} \{68.75 + 71.25 + 58.75 + 83.75 + 55 + 67.5\}$
 = $80 \times \frac{405}{100} = 324$
 \therefore Required % = $\left(\frac{324}{480} \times 100 \right) = 67.5\%$
140. (5) Average of percentage of marks in English
 = $\frac{78.75 + 60 + 71.25 + 76.25 + 78.75 + 90 + 72.5}{7}$
 = $\frac{497.5}{7}$
 and physics = $\frac{527.5}{7}$
 \therefore Required Average = $\frac{527.5 + 497.5}{7 \times 2}$
 = $\frac{1025}{14} = 73.21$
141. (1) Required probability = $\frac{3}{7}$

142. (1) Total number of balls = $6 + 14 + 8 = 28$ balls

143. (1) Radius of circle = $\frac{44}{2\pi} = 7$ cm

Quantity I – Area of shaded region = $\frac{1}{2}\pi$

$$(7)^2 - \frac{1}{2} \times \frac{1}{2} \times 14 \times 14 = 28 \text{ cm}^2$$

Quantity II = 22 cm^2

Quantity I > Quantity II

144. (2) as $Y < 0$, so quantity I will always be less than zero.

145. (2) Quantity I – speed of boat = 12 km/h
Quantity II – speed of cyclist = 14 km/h
Quantity I < Quantity II

146. (3) **From I.** Perimeter of the circle = $2\pi r$

$$\therefore 2\pi r = 88$$

$$\therefore r = \frac{88 \times 7}{44} = 14 \text{ cm}$$

We can find the area of the circle = πr^2
Hence I alone is sufficient.

From II. Radius of the circle = $\frac{28}{2}$

$$= 14 \text{ cm}$$

Hence, from II we can also find the area of the circle.

147. (3) **From I.** Difference = $\frac{Pr^2}{(100)^2}$

$$\Rightarrow 250 \times 100 \times 100 = 25000r^2$$

$$\therefore r^2 = \frac{2500000}{25000} = 100$$

$$\therefore r = 10\%$$

Hence, I is sufficient to answer the question.

From II. $P = ₹x$

$$SI = ₹x$$

$$\therefore r = \frac{SI \times 100}{10 \times P} = \frac{x \times 100}{10 \times x} = 10\%$$

Hence, II alone is also sufficient to answer the question.

Thus, either I or II alone is sufficient to answer the question.

148. (5) **From I.** and II. Let the number of columns be $x + 4$.

Number of rows = x

$$\text{Then, } x(x + 4) = 165$$

$$\Rightarrow 11 \times 15 = 165$$

\therefore Number of columns = 15 and rows = 11
Hence, both are sufficient to answer the question.

149. (5) **From I and II.** Let the speed of the boat be $x \text{ kmph}$ and that of the current be $y \text{ kmph}$.

Then, downstream speed = $x + y$

Upstream speed = $x - y$

$$\text{Now, } \frac{9}{x+y} = \frac{3}{2}$$

$$\Rightarrow 3x + 3y = 18 \quad \dots\dots(i)$$

$$\text{And } \frac{9}{x-y} = 3$$

$$\Rightarrow 3x - 3y = 9$$

Solving (i) and (ii), we can find the value of the speed of the current.

150. (5) **From I and II.** Raman's score in test = $288 - 128 = 160$

$$\therefore 100\% = \frac{160}{25} \times 100 = 640$$

\therefore Raman scored 64 marks less than the pass marks

$$\therefore \text{Pass marks} = 160 + 64 = 224$$

\therefore Required% of pass marks

$$= \left(\frac{224}{640} \times 100 \right)\% = 35\%$$

151. (5) Required number of boys who passed from

$$C = \frac{3000}{5} \times 12 \times \frac{12.5}{7.5} \times \frac{7}{12} = 7,000$$

152. (4) Required number = $\frac{16200}{12} \times 18 \times \frac{5}{9}$
 $= 13500$

153. (1) Required% for A = $\left(\frac{3}{5} \times 100 \right)\% = 60\%$
(highest)

$$B = \left(\frac{3}{5} \times 100 \right)\% = 37.5\%$$

$$G = \left(\frac{7}{15} \times 100 \right)\% = 46.7\%$$

154. (1) Let the total number of students passing in Class XII exam be x .

$$14\% \text{ of } x \times \frac{11}{21} - 12\% \text{ of } x \times \frac{5}{12} = 315$$

$$\Rightarrow \frac{22x}{300} - \frac{5x}{100} = 315$$

$$\Rightarrow \frac{22x - 15x}{300} = 315$$

$$\therefore x = \frac{315}{7} \times 300 = 13,500$$

155. (3) The number of boys from C

$$= 12,000 \times \frac{7}{12} = 7000$$

$$A = 12,000 \times \frac{15}{12.5} \times \frac{2}{5} = 5,760$$

$$B = 12,000 \times \frac{10}{12.5} \times \frac{5}{8} = 6,000$$

$$D = 12,000 \times \frac{16}{12.5} \times \frac{9}{16} = 8,640$$

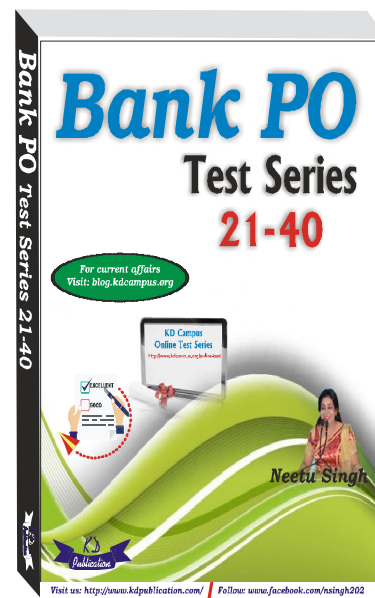
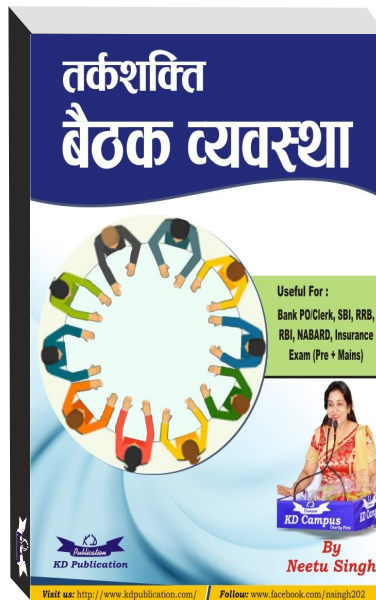
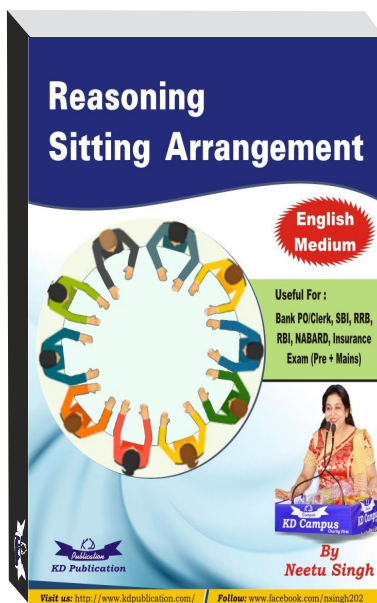
$$E = 12,000 \times \frac{7.5}{12.5} \times \frac{7}{12} = 4,200$$

$$F = 12,000 \times \frac{14}{12.5} \times \frac{4}{7} = 4,200$$

$$G = 12,000 \times \frac{25}{12.5} \times \frac{8}{15} = 12,800$$

$$\text{Required number} = 7000 + 5760 + 6000 + 8640 + 4200 + 7680 + 12800 = 52,080$$

For all Bank PO/ Clerk Exams



VOCABULARIES

| Word | Meaning in English | Meaning in Hindi |
|--------------|--|--------------------------|
| Luminaries- | a person of prominence or brilliant achievement | दिग्गज, चमकीली वस्तु |
| Reticence - | reserve, an instance of being reticent | अल्पभाषिता, मौन |
| Professed - | openly and freely declared or acknowledged | पेशेवर, ख्याली |
| Insurgents - | a person who revolts against civil authority or an established government | विद्रोही, राजद्रोही |
| Baton- | a short stick or staff or something resembling one, in particular | छड़ी, लाठी |
| Zealot - | a person who is fanatical and uncompromising in pursuit of their religious, political, or other ideals | कट्टरपंथी, अति उत्साही |
| Repudiate - | refuse to accept or to divorce or separate formally from (a woman) | परित्याग करना, छोड़ देना |
| Suffrage - | a vote given in deciding a controverted question or electing a person for an office | मताधिकार |
| Perception - | become aware of something through the senses | अनुभूति |
| Anodyne - | something serving to alleviate pain, not likely to provoke dissent or offense | पीड़ा नाशक |
| Compliance - | the act or process of complying to a desire, demand, proposal or regimen | अनुपालन, समर्पण |
| Poseur - | a person who habitually pretends to be something he is not - | दिखावा करने वाला |
| Discreet - | careful and circumspect in one's speech or showing discernment | विचारशील, बुद्धिमान |
| Shrunk - | to contract or curl up the body or part of it | सिकुड़ा हुआ |
| Agitating - | to excite and often trouble the mind, | आदोलनकारी |
| Inferred - | to derive as a conclusion from facts or premises | अनुमानित करना |

KD
Campus

KD Campus

2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

IBPS PO MAIN (PHASE - II) MOCK TEST-119 (ANSWER KEY)

- | | | | | |
|---------|---------|----------|----------|----------|
| 1. (4) | 36. (3) | 71. (4) | 106. (3) | 141. (1) |
| 2. (2) | 37. (2) | 72. (3) | 107. (1) | 142. (1) |
| 3. (3) | 38. (4) | 73. (4) | 108. (4) | 143. (1) |
| 4. (1) | 39. (1) | 74. (2) | 109. (1) | 144. (2) |
| 5. (5) | 40. (3) | 75. (3) | 110. (4) | 145. (2) |
| 6. (2) | 41. (4) | 76. (2) | 111. (4) | 146. (3) |
| 7. (3) | 42. (2) | 77. (4) | 112. (1) | 147. (3) |
| 8. (1) | 43. (4) | 78. (3) | 113. (5) | 148. (5) |
| 9. (3) | 44. (4) | 79. (1) | 114. (2) | 149. (5) |
| 10. (5) | 45. (2) | 80. (5) | 115. (2) | 150. (5) |
| 11. (4) | 46. (1) | 81. (2) | 116. (3) | 151. (5) |
| 12. (4) | 47. (3) | 82. (3) | 117. (3) | 152. (4) |
| 13. (5) | 48. (2) | 83. (5) | 118. (2) | 153. (1) |
| 14. (5) | 49. (4) | 84. (4) | 119. (4) | 154. (1) |
| 15. (4) | 50. (3) | 85. (1) | 120. (5) | 155. (3) |
| 16. (1) | 51. (2) | 86. (2) | 121. (3) | |
| 17. (4) | 52. (1) | 87. (1) | 122. (2) | |
| 18. (3) | 53. (3) | 88. (4) | 123. (5) | |
| 19. (2) | 54. (2) | 89. (5) | 124. (1) | |
| 20. (3) | 55. (5) | 90. (3) | 125. (4) | |
| 21. (3) | 56. (1) | 91. (5) | 126. (4) | |
| 22. (4) | 57. (2) | 92. (1) | 127. (5) | |
| 23. (2) | 58. (1) | 93. (4) | 128. (1) | |
| 24. (5) | 59. (1) | 94. (3) | 129. (3) | |
| 25. (5) | 60. (4) | 95. (2) | 130. (5) | |
| 26. (5) | 61. (4) | 96. (2) | 131. (4) | |
| 27. (1) | 62. (5) | 97. (1) | 132. (2) | |
| 28. (3) | 63. (3) | 98. (4) | 133. (3) | |
| 29. (5) | 64. (5) | 99. (1) | 134. (1) | |
| 30. (4) | 65. (4) | 100. (3) | 135. (3) | |
| 31. (3) | 66. (3) | 101. (4) | 136. (4) | |
| 32. (4) | 67. (4) | 102. (5) | 137. (2) | |
| 33. (3) | 68. (5) | 103. (3) | 138. (3) | |
| 34. (5) | 69. (4) | 104. (1) | 139. (1) | |
| 35. (3) | 70. (1) | 105. (4) | 140. (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