IBPS CLERK MAINS GRAND TEST – ICM181202

ANSWER KEY

1. (3)	21. (2)	41. (2)	61.(1)	81.(3)	101. (3)	121. (3)	141. (2)	161. (5)	181. (1)
2. (1)	22. (4)	42. (4)	62.(1)	82.(1)	102. (5)	122. (2)	142. (5)	162. (4)	182. (1)
3. (1)	23. (2)	43. (3)	63.(1)	83.(4)	103. (4)	123. (4)	143. (1)	163. (2)	183. (3)
4. (5)	24. (1)	44. (1)	64.(3)	84.(3)	104. (4)	124. (4)	144. (1)	164. (3)	184. (1)
5. (2)	25. (5)	45. (4)	65.(3)	85.(4)	105. (4)	125. (2)	145. (3)	165. (5)	185. (1)
6. (3)	26. (1)	46. (2)	66.(2)	86.(1)	106. (5)	126. (4)	146. (1)	166. (3)	186. (3)
7. (1)	27. (3)	47. (1)	67.(5)	87.(2)	107. (2)	127. (5)	147. (4)	167. (1)	187. (2)
8. (3)	28. (3)	48. (4)	68.(2)	88.(5)	108. (3)	128. (1)	148. (1)	168. (4)	188. (4)
9. (2)	29. (1)	49. (1)	69.(1)	89.(2)	109. (2)	129. (3)	149. (4)	169. (3)	189. (5)
10. (2)	30. (4)	50. (5)	70.(3)	90.(2)	110. (3)	130. (3)	150. (4)	170. (1)	190. (2)
11. (3)	31. (4)	51.(3)	71.(5)	*91.* (4)	111. (3)	131. (4)	151. (4)	171. (3)	
12. (2)	32. (2)	52.(5)	72.(3)	*92.* (4)	112. (5)	132. (5)	152. (1)	172. (4)	
13. (3)	33. (4)	53.(5)	73.(3)	93. (4)	113. (2)	133. (3)	153. (2)	173. (1)	
14. (4)	34. (4)	54.(2)	74.(4)	94. (4)	114. (1)	134. (5)	154. (2)	174. (2)	
15. (4)	35. (4)	55.(4)	75.(2)	95. (4)	115. (5)	135. (2)	155. (3)	175. (5)	
16. (4)	36. (4)	56.(5)	76.(1)	96. (3)	116. (2)	136. (1)	156. (1)	176. (3)	
17. (5)	37. (4)	57.(5)	77.(4)	97. (2)	117. (4)	137. (5)	157. (4)	177. (5)	
18. (3)	38. (4)	58.(4)	78.(2)	98. (1)	118. (3)	138. (5)	158. (5)	178. (1)	
19. (4)	39. (3)	59.(5)	79.(2)	*99.* (3)	119. (4)	139. (1)	159. (3)	179. (5)	
20. (1)	40. (2)	60.(3)	80.(3)	*100.* (4)	120. (3)	140. (4)	160. (2)	180. (2)	

HINTS & SOLUTIONS

51.(3) In this passage the author talks about the Denigration of Sandro Botticelli 's work by academic art historians and later he talks about the Appreciation made between 1850 and 1870 .

52.(5) In the first paragraph "Vasari expressed an unease with Botticelli's work, admitting that the artist fitted awkwardly into his scheme of the history of art" .

53.(5) As per the last sentence of the first paragraph "Botticelli's work remained outside of accepted taste, pleasing neither amateur observers nor connoisseurs" .

54.(2) At the starting of second paragraph "most observers, up until the mid-nineteenth century, did not consider him to be noteworthy because his work ,for the most part, did not seem to these observers to exhibit the traditional characteristics of fifteenth century Florentine art.

55.(4) Refer to the third paragraph "Yet ,Botticelli's work, especially the Sistine frescoes , did not generate worldwide attention until it was finally subjected to a comprehensive and scrupulous analysis by Horne in 1908" .

56.(5) Denigrate means criticize unfairly; disparage, hence extol is the word most opposite in meaning.

57.(5) **Scrupulous** means (of a person or process) diligent, thorough, and extremely attentive to details hence reprobate which means unprincipled is the word most opposite in meaning.

58-62. The correct sequence to form meaningful paragraph is **FAEBCD.**

58.(4) 59.(5) 60.(3) 61.(1) 62.(1)

63.(1) Replace 'is' with 'are'

64.(3) Replace 'get' with 'getting'

65.(3) Replace 'style' with 'styled'

66.(2) Insert 'the' after 'hit'

67.(5) No error

68.(2) Replace 'which hire them' with 'who hire them'.

69.(1) Replace 'ensuring' with 'ensure' .

70.(3) Replace 'made by cash' with 'made in cash'.

71.(5)

72.(3) Replace 'we are wide range of' with 'we have a wide range of'.

73.(3) 74.(4) 75.(2) 76.(1) 77.(4) 78.(2) 79.(2) 80.(3) 81.(3) 82.(1)

83.(4) It is given in the first paragraph of the passage that " for the vast majority, being able to cast a vote freely is an affirmation of their status as equal citizens of the country" Hence (4) is the correct option. Rest of the options is included in this option.

84.(3) It is given in the first paragraph that : The gap between women and men voters has also steadily reduced and in

some States female voters outnumbered males" but no reason for this has been given. Hence (i) is not true.
'….NOTA (None of the Above) button introduced only recently' suggests that (ii) is also not true. Hence, (3) is the correct option.

85.(4) "research has shown that historically high percentages in voting do not provide any indication of results" suggests that (d) is the correct option.

86.(1) "Some institutional factors…. contributed to the rise in voter turnouts that we are ……awareness drives undertaken by the Election Commission" in fifth paragraph suggests that (1) is the correct option.

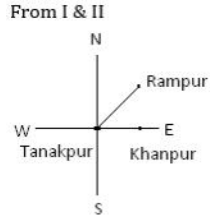
87.(2) " Why India loves to vote" is the suitable title for the passage.

88.(5) "study by ……Jawaharlal Nehru University…. more and more people vote for development interests …." given in third paragraph suggests that (5) is the correct option.

89.(2) 'Intimidated' means 'frighten or overawe (someone) , in order to make them do what one wants.'. Hence 'Daunted' is the word which is most similar in meaning to it.

90.(2) 'Tallies' means 'count or record'. Hence 'Record' is the word which is most similar in meaning to it.

91. (4)



92. (4) from I & II we cannot determine the day on which Divya visited the Zoo

93. (4) From I and II also we cannot determine the Gender of Krishna.

94. (4) From I and II we cannot determine the code of clever.

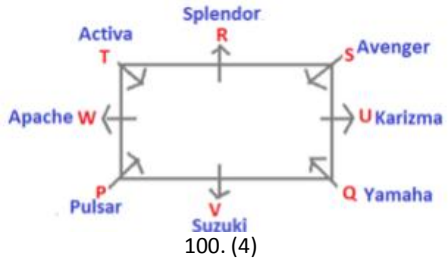
95. (4) Both from I & II, gender of I is not known.

96. (3) SmartArt is a feature of MS Word 2007.

97. (2) Operating system is a type of system software.

98. (1) ClipArt places ClipArt in your presentation in slide.

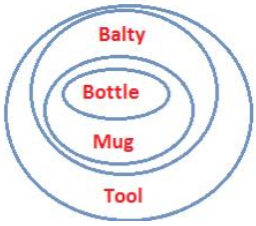
99-103.



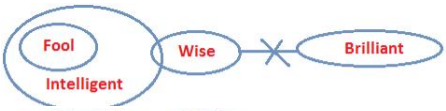
99. (3) 100. (4)
101. (3) 102. (5) 103. (4)

104. (4)

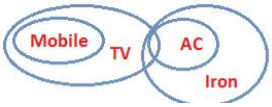
105. (4)



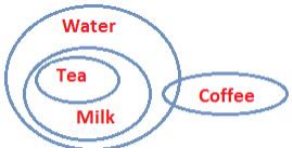
106. (5)



107. (2)



108. (3)



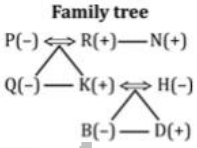
109. (2) Super Computers are also known as number crunchers. A super computer's dominant characteristic is its ability to perform large amounts of numerical computations quickly.

110. (3) 10 and 500 are valid minimum & maximum zoom sizes in MS word.

111-115.

111. (3) 112. (5)
113. (2) 114. (1) 115. (5)

116-118.

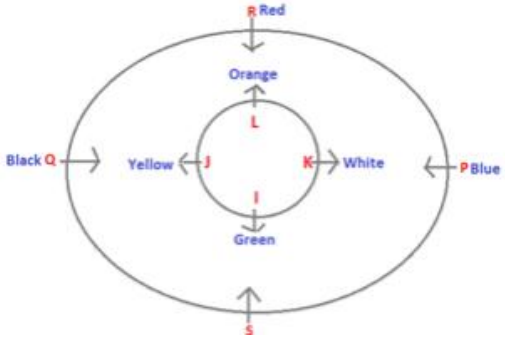


116. (2) 117. (4) 118. (3)

119. (4) Assembly Languages are low level programming languages.

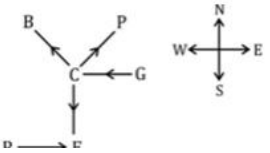
120. (3) Hub and Repeater are used in Layer 1: Physical Layer. And they can be used to enlarge the area covered by a single LAN segment

121-125.



121. (3) 122. (2)
123. (4) 124. (4) 125. (2)

126-127.



126. (4)
127. (5) Northeast
128. (1) There is no such combination.
129. (3) According to condition answer will be 4 .
130. (3) The seventh letter to the left of © is R.
131. (4)

132. (5) The letter will be R.

133. (3) Through Telnet, an administrator or another user can establish a connection to someone else's computer remotely. On the Web, HTTP and FTP protocols allow you to request specific files from remote computers, but not to actually be logged on as a user of that computer.

134. (5) Ragged right is a text margin treatment in which all lines begin hard against the left-hand margin but are allowed to end short of the right-hand margin. On lines that do not fully fill the measure (nearly all of them), any leftover space is deposited along the right-hand margin. This creates an irregular margin along the right side of the text column.

135. (2) Ctrl + Shift + ESC can be used to open task manager

136. (1) # → ≤
@ → ≥
$ → >
% → <
© → =
onlv I is true

137. (5) # → ≤
@ → ≥
$ → >
% → <
© → =
only II is true

138. (5) # → ≤
@ → ≥
$ → >
% → <

139. (1) # → ≤
@ → ≥
$ → >
% → <
© → =
all are wrong

140. (4) # → ≤
@ → ≥
$ → >
% → <
© → =
only III is true

141. (2) The total no. of visitors in the age group less than or equal to 20 years visited in the park –

$= 120000 \times \frac{65}{100} = 78000$

So, no. of female visitors $= \frac{60}{100} \times 78000 = 46800$

No. of male visitors less than 20 years of age $= 78000 - 46800 = 31200$

Total female visitors $= 120000 \times \frac{7}{12} = 70000$

Total male visitors $= 120{,}000 - 70{,}000 = 50{,}000$

No. of females of age more than 20 years $= 70{,}000 - 46800 = 23200$

No. of males of age more than 20 years $= 50000 - 31200 = 18800$

Required difference $= 23200 - 18800 = 4400$

142. (5) No. of visitors in Nov 2012 = 65000

Total no. of visitors in all the given months = 441000

$\therefore$ Required $\% = \frac{65}{441} \times 100 = 14.74\%$

143. (1) No. of female visitors to the park in the month of October

$2012 = \frac{2}{5} \times 75 = 30$ thousand

No. of female visitors to the park in the month of December

$2012 = \frac{4}{7} \times 126 = 72$ thousand

Ratio = 30 : 72 = 5 : 12

144. (1) Total no. of male visitors in Sep - 2012 and Oct 2012 together $= \frac{4}{11} \times 55000 + \frac{3}{5} \times 75000$

$= 65000$

Total no. of male visitors in Nov - 2012 and Dec 2012 together $= \frac{5}{8} \times 65000 + \frac{3}{7} \times 126000$

$= 94625$

Required difference = 94625 – 65000= 29625

145. (3) Required average no. of visitors

$= \frac{1}{2}\left(\frac{120000 \times 65}{100} + \frac{126000 \times 60}{100}\right) = \frac{1}{2}$

$(75600 + 78000) = \frac{153600}{2} = 76800$

146. (1) 12 × 2 + 1, 25 × 2 – 1, 49 × 2 + 1, 99 × 2 – 1, 197 × 2 + 1, 392 × 2 – 1 = 789

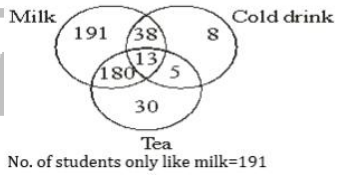
147. (4) There are two series –
34 + 3= 37, 37 + 3 = 40, 40 + 3 = 43
And 7 × 2 = 14, 14 × 2 = 28, 28 × 2 = 56

148. (1) $1^2 + 1, 2^2 - 1, 3^2 + 1, 4^2 - 1, 5^2 + 1, 6^2 - 1, 7^2 + 1$
$8^2 - 1 = 63$

149. (4) There are two individual series
2 + 4 = 6, 6 + 4 = 10, 10 + 4 = 14
3– 3 = 0, 0 – 3 = –3, –3 – 3 = –6

150. (4) 5 × 2 = 10, 10 + 3 = 13, 13 × 2 = 26,
26 + 3 = 29, 29 × 2 = 58, 58 + 3 = 61, 61 × 2 =122

151. (4)



No. of students only like milk=191

152. (1) Students like only Tea & cold drink=5

153. (2) Students, exactly like two drinks=180+38+5=223

154. (2) Student, who like at least one drink
=30+5+13+8+38+180+191=465

155. (3) Students who like at least two drink=5+38+13+180=236

156. (1) $? = \sqrt{1250 \times 450}$
$= 5 \times 10 \times 15$
$= 750$

157. (4) $? \times \frac{460}{100} = \frac{65 \times 75}{100} + \frac{35 + 25}{100}$
$? = \frac{4875 + 875}{460} = \frac{5750}{460} = 12.5$

158. (5) ?=53-30=23

159. (3) $? = \left(\frac{63}{5} - \frac{27}{5}\right) \times \frac{70}{353}$
$= \frac{36}{5} \times \frac{70}{353} = \frac{504}{353} = 1\frac{151}{353}$

160. (2) $? = \frac{1805}{19} + 65 - 200$
$= 95 + 65 - 200 = 60 - 200 = -40$

161. (5) $\frac{(120-x)}{23} = \frac{4}{1}$

$120 - x = 92$

$x = 28$

Total quantity after first operation $= 120 - 5$

$= 115$ l

Milk = 92 l

Water = 23 l

$\therefore$ Required Ratio $= \frac{92-\frac{92}{115}\times 23}{23-\frac{23}{115}\times 23+27}$

$= \frac{92\left(1-\frac{1}{5}\right)}{23\left(1-\frac{1}{5}\right)+27}$

$= \frac{92\times 4}{23\times 4+27\times 5} = \frac{368}{227}$

162. (4) Let usually S.P. = 100

After discounts price $= \frac{85}{100}\times\frac{75}{100}\times\frac{108}{100}\times 100$

$= 68.85\%$

$\therefore$ Requried % $= (100 - 68.85) = 31.15\%$

163. (2) P — 45000 × 12

Q — 54000 × 6

R — 30000 × 8

Ratio of their profit = 45 : 27 : 20

$\therefore$ Total profit earned $= \frac{92}{45}\times 13500$

$= 27600$ Rs

164. (3) 180 $\xrightarrow{+5}$ 225 $\xrightarrow[-15]{+4}$ 60 $\rightarrow$ 900 units

At 3 : 00 PM units filled $= 2\times 5 + 4 = 14$ units

Time required to empty the reservoir $= \frac{14}{6}$ hours

= 140 minutes

= 2 hr 20 min.

$\therefore$ it will be emptied at 5 : 20 p.m.

165. (5) Let sum invested at scheme B = P

$6678 = P\left[\left(1+\frac{10}{100}\right)^2 - 1\right]$

$6678 = P\left(\frac{11}{10}\times\frac{11}{10} - 1\right)$

$6678 = P\left(\frac{21}{100}\right)$

$P = \frac{6678\times 100}{21}$

$P = 31800$

Now Let Required Sum $= x$

$\therefore (31800 - x) = \frac{x\times 14\times 8}{100}$

$25\times 31800 - 25x = 28x$

$53x = 31800\times 25$

$x = 15000$ Rs.

166. (3) Given — *speed in still water* $= 24$ kmph

speed *of stream* $= 4$ kmph

$\frac{x}{20} - \frac{x+4}{28} = \frac{36}{60}$

$\frac{7x-5x-20}{140} = \frac{3}{5}$

$2x - 20 = 84$

$2x = 104$

$x = 52$ km

$\therefore$ Distance from A to B = 56 km

167. (1) Let the two digit number $= 10x + y$

$\therefore 10x + y - x - 10y = 1.8\times 10$

$9x - 9y = 18$

$x - y = 2$

168. (4) Let per day work of a men, women And child are 5x, 4x and 2x

$(2\times 5x) + (3\times 4x) + (4\times 2x) = \frac{1}{10}$

$x = \frac{1}{300}$

Per day work of a men $= 5\times\frac{1}{300} = \frac{1}{60}$

of a women $= \frac{1}{75}$

of a child $= \frac{1}{150}$

Per day work by 6 men, 4 women and 7 child

Together $= \frac{6}{60} + \frac{4}{75} + \frac{7}{150} = \frac{60}{300} = \frac{1}{5}$

Work will be completed in 5 days (10 hectare)

16 hectare will be reaped in $= \frac{16}{10}\times 5 = 8$ days

169. (3) Let Amount invested in Scheme A = x Rs.

Amount invested in Scheme B $= (6100 - x)$

$\therefore x\left[\left(1+\frac{10}{100}\right)^2 - 1\right] = \frac{(6100-x)\times 10\times 4}{100}$

$21x = 244000 - 40x$

$61x = 244000$

$x = 4000$ Rs.

170. (1) $2\pi r\times 15 = 3300$

$r = \frac{3300}{30\times 22}\times 7$

$r = 35$ m

Area of plot $= \frac{22}{7}\times 35\times 35 = 3850$

$\therefore$ Required Cost $= 3850\times 100 = 3{,}85{,}000$ Rs.

171. (3) Average

$= \frac{1}{6}\times[5 + 10 + 25 + 20 + 25 + 15]\times 1000$

$= \frac{100000}{6} = 16666\frac{2}{3}$

172. (4) Req. % $= \frac{55}{60}\times 100 = 91.67$

173. (1) Req. % $= \frac{10}{55}\times 100 = 18\%(\text{approx.})$

174. (2) Req. Ratio = 15 : 10 = 3 : 2

175. (5) Required no. of people = (25 + 15) × 1000 = 40000

176. (3) $x = \pm\frac{1}{26}$

$y = \frac{1}{24}$

$\therefore x < y$

177. (5) $x = 3, \frac{-11}{2}$

$y = 3, -2$

178. (1) $x = -6$

$y = -7, -8$

$\therefore x > y$

179. (5) $x = -3.5, 5$

$y = 6, 1$

$\therefore$ No relationship can be established

180. (2) $x = \frac{8}{3}, \frac{5}{4}$

$y = -2, \frac{5}{4}$

$\therefore x \geq y$

181. (1) 4M + 6W) 8 =(2M + 9W) 8

2M = 3W

$\therefore$ 12 W = $\frac{1}{8}$

W = $\frac{1}{96}$

$\therefore$ Required no of days = $\frac{96}{18}$

$= 5\frac{1}{3}$ days

182. (1) $M = \frac{1}{60}$

$W = \frac{1}{120}$

$\therefore$ Required no of days $= \frac{1}{\frac{1}{60}+\frac{1}{120}}$

$= \frac{1}{\frac{1}{10}+\frac{1}{10}}$

$= \frac{1}{\frac{2}{10}}$

$= \frac{10}{2} = 5$ days

183. (3)

C.P.	S.P.
100x	114x
(100x – 117)	(114x – 117)

$\frac{123}{100}(100x - 117) = 144x - 117$

$12300x - 123\times117 = 11400x - 117\times100$

$900x = 14391 - 11700$

$x = 2.99$

$\therefore$ Required price = 299 Rs.

184. (1) Let total unit = 50

$20\times\frac{1}{4} + 30\times\frac{x}{100} = 9.5$

$\frac{3x}{10} = 4.5$

$x = 15\%$

185. (1) In 1000 ml of mixture,

Alcohol = 700 ml

Water = 300 ml

Let x ml of alcohol is mixed.

According to question

$\frac{300}{1000+x}\times100 = 15$

$1000 + x = 2000 \Rightarrow x = 1000$ ml

186. (3) $2500 \div 10 + \frac{55}{100}\times270 = ?$

or $? = 250 + \frac{14850}{100} \approx 400$

187. (2) $119^{?} = 119^{4.8+5.01-3.0012} = 119^{6.8}$

$\therefore ? \approx 6.8$

188. (4) $? = \frac{\sqrt{2809}}{3.76} = \frac{53}{3.76} \approx 14$

189. (5) $? = 37\times\frac{5009}{100} - \frac{6666}{5}$

$\approx 1853 - 1333$

≈ 520

190. (2) ? = 4168 – 13764

= 17932 ≈ 17900