

**IBPS CLERK MAINS GRAND TEST – ICM180103**
**ANSWER KEY**

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

**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 FAEBDC.
- 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)

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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.

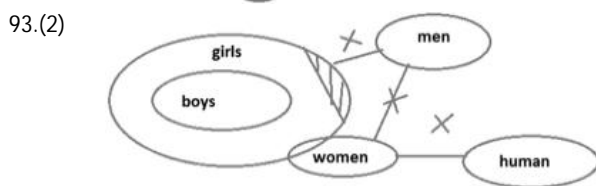
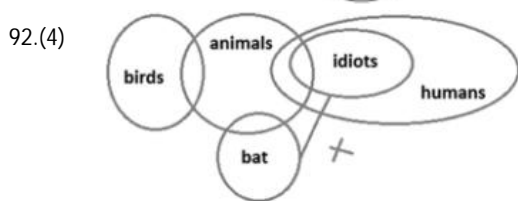
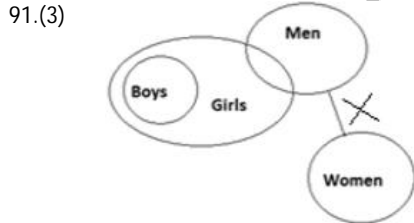
86.(1) "Some institutional factors.... contributed to the rise in voter turnouts that we are .....awareness drives undertaken by the Election Commission" in fifth paragraph suggests that (1) is the correct option.

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

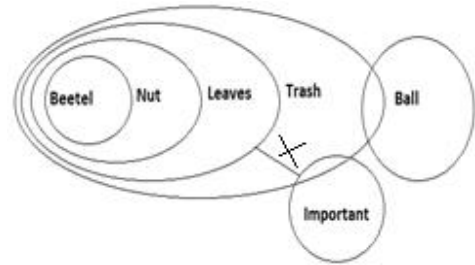
88.(5) "study by .....Jawaharlal Nehru University.... more and more people vote for development interests ...." given in third paragraph suggests that (5) is the correct option.

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.

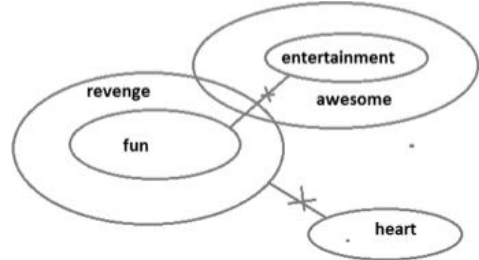
90.(2) 'Tallies' means 'count or record'. Hence 'Record' is the word which is most similar in meaning to it.



94.(1)



95.(5)



96-100.

Floor Number	Case i		Case ii	
	Rooms			
6	C1	F1	F1	C1
5	H1/E1	H1/E1	H1/E1	H1/E1
4	B1/K1	B1/K1	B1/K1	B1/K1
3	I1	A1	A1	I1
2	L1	J1	J1	L1
1	D1	G1	G1	D1

96.(3)

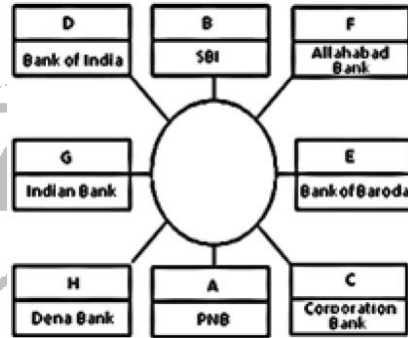
97.(2)

98.(4)

99.(1)

100.(2)

101-105.



101.(3)

102.(1)

103.(2)

104.(3)

106.(3)

107.(3)

109-113.

Days	Cricketer	Runs
Monday	Paul	60
Tuesday	Ricky	40
Wednesday	Ajay	120
Thursday	Grant	180
Friday	Moin	270
Saturday	Andy	150
Sunday	Pollock	90

109.(5)

110.(3)

111.(1)

112.(4)

113.(3)

114.(5)

115.(3)

116.(5)

The ? should be replaced by >.

117.(2)

D ≥ B is true in (2) and (3) and among them C > F is true for (2).

118.(3)

- I. S > A > P(True)
- II. S > A > P > T(True)
- III. N ≥ A > P > T(True)
- IV. S > A ≤ N(False)

119.(1)

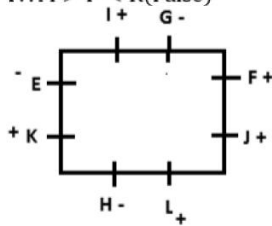
- I. E < M ≤ S(True)
- II. B ≤ E < M ≤ S(False)
- III. M > S(False)
- IV. R < S ≥ M(False)

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- 120.(3) I.  $G \geq M > P < R$  (False)  
 II.  $Q \leq R > P < M$  (False)  
 III.  $P < M \leq G$  (True)  
 IV.  $M > P < R$  (False)

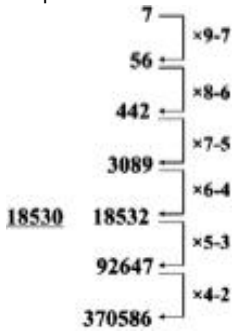
121-125.



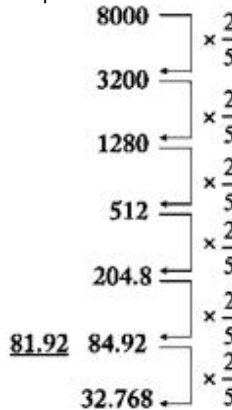
- 121.(5) 122.(1)  
 123.(4) 124.(3)  
 126.(2) 127.(4)  
 128-132.

- We → Ka  
 Provide → hu  
 Study → Ja  
 Material → lu  
 Score → la  
 Maximum → fa  
 Selection → ju  
 The → fu  
 Of → na

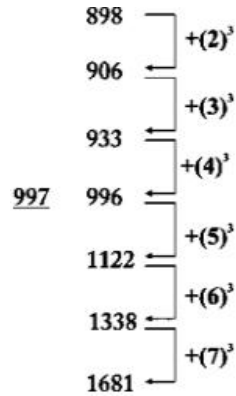
- 128.(2) 129.(1)  
 130.(2) 131.(1)  
 133.(4) From both statements, Gender of R is not known.  
 134.(5) School will open on 15th june.  
 135.(4) Code of "call" may be 1 or 3.  
 136.(3) From either statement we can find that code for "adam" is ka  
 137.(2) From 2nd statement it is clear that J is youngest.  
 138.(4) 139.(3)  
 141.(3) The pattern of series is-



142.(2) The pattern of series is



143.(5) The pattern of series is as-



- 144.(1) The pattern of series is As-  
 $4 \times 11 + 11 \times (1)^2 = 44 + 11 = 55$   
 $55 \times 9 + 9 \times (3)^2 = 495 + 81 = 576$   
 $576 \times 7 + 7 \times (5)^2 = 4032 + 175 = 4207$   
 $4207 \times 5 + 5 \times (7)^2 = 21035 + 245 = 21280$   
 $21280 \times 3 + 3 \times (9)^2 = 63840 + 243 = 64083$   
 $64083 \times 1 + 1 \times (11)^2 = 64083 + 121 = 64204$   
 So, wrong number = 4209

- 145.(4) The pattern of series is as -  
 $3 \times 1.5 + 1.5 = 6$   
 $6 \times 2.0 + 4.0 = 16$   
 $16 \times 2.5 + 7.5 = 47.5$   
 $47.5 \times 3.0 + 12.0 = 154.5$   
 $154.5 \times 3.5 + 17.50 = 558.25 \neq 558.5$   
 $558.25 \times 4 + 24.00 = 2257$   
 So, wrong number = 558.5

- 146.(3) Total age of Remaining girl =  $(1050) - 25 \times 12 - 25 \times 16$   
 $= 1050 - 25(28)$   
 $= 350$

Required age =  $\frac{350}{25} = 14$  yr

- 147.(1)  $\frac{12}{x} + x + \frac{12}{2x} + 2x + \frac{12}{4x} = 16$   
 $\frac{48+4x^2+24+8x^2+12}{4x} = 16$

$$12x^2 + 84 = 64x$$

$$3x^2 - 16x + 21 = 0$$

$$3x^2 - 7x - 9x + 21 = 0$$

$$x(3x - 7) - 3(3x - 7) = 0$$

$$\therefore (x - 3)(3x - 7) = 0$$

$$x = 3, \frac{7}{3}$$

So the time he rested at B could be 3 hrs

- 148.(1) 11% → 5236  
 1% → 476  
 $\therefore (11 + 19 + 7) = 37\% \rightarrow 17612 \text{ Rs.} \times 12 = \text{Rs. } 211344.$

- 149.(3) Probability =  $\frac{{}^{2c_1} \times {}^{3c_2} + {}^{2c_2} \times {}^{3c_1}}{{}^{5c_3}}$   
 $= \frac{2 \times 3 + 1 \times 3}{10}$   
 $= \frac{9}{10}$

- 150.(4)  $B = \frac{1}{\frac{1}{12} - \frac{1}{20}} = \frac{1}{\frac{5-3}{60}}$   
 $B = 30$  days  
 $\therefore$  Required No. of days =  $\frac{1}{\frac{1}{20} + \frac{1}{60}}$   
 $= \frac{60}{4} = 15$  days

151.(3)

- 152.(4) Required ratio =  $\frac{1.1 \times 20}{1.2 \times 30} = \frac{11}{18}$

- 153.(2) Let the population of city P be  $90x$   
 Total number of literates =  $2/5$  of  $90x = 36x$   
 Total number of males =  $4/9$  of  $90x = 40x$   
 Number of male literates =  $50\%$  of  $40x = 20x$   
 Number of female literates =  $36x - 20x = 16x$   
 Total number of females =  $5/9$  of  $90x = 50x$   
 Percentage of literate females =  $32\%$
- 154.(2)
- 155.(5) Cannot be determined as the proportion of literates to illiterates is only given for total population and not for males and females.
- 156.(1) Required No. of zero balance account =  $\frac{25}{100} \times 17.56 + \frac{21}{100} \times 3.98$   
 $= 4.39 + 0.8358$   
 $= 5.2258$  crores  
 $= 52258000$
- 157.(1) Required % =  $\frac{2.79+0.77}{3.98+0.83} \times 100$   
 $= \frac{3.56}{4.81} \times 100$   
 $\approx 74\%$
- 158.(4) Required ratio =  $\frac{31000}{17.56} : \frac{7000}{3.98}$   
 $= \frac{31}{17.56} : \frac{7}{3.98}$   
 $\approx 1.76 : 1.75$   
 $\approx 176 : 175$
- 159.(5) Required % =  $\frac{9.82+3.42+0.51}{7.74+0.56+0.32} \times 100$   
 $= \frac{13.75}{8.62} \times 100 = 159.51\%$
- 160.(2) Required % =  $\frac{22.37}{130} \times 100$   
 $= 17.21\%$
- 161.(4) From I,  $s = \frac{f}{18}$   
 II,  $S = \frac{2f}{36}$   
 III  $f = 330$  m  
 $\therefore$  III and either I or II only
- 162.(3) From I,  $x = \frac{20z}{100} + z = \frac{120z}{100}$   
 II,  $y = z - \frac{20z}{100} = \frac{80z}{100}$   
 III,  $y + z = 72$   
 To find  $(x - y)$ , all statements are necessary
- 163.(1) From III,  $b : h = 5 : 12$   
 From I, Perimeter =  $y$  cm  
 II, hypotenuse =  $x$  cm  
 From I and III or II and III we can determine the area of the garden.
- 164.(4) From I, Pravin = Aman + 1200  
 From II and III,  $\frac{\text{Aman}}{\text{Vimal}} = \frac{5}{3}$   
 $\frac{\text{Aman}}{\text{Aman} - 1000} = \frac{5}{3}$   
 Therefore all statements are necessary to get the monthly salary of Pravin.
- 165.(2) From I and II  
 $a + b + c = 14$   
 $14 + b + c = 14$   
 $b + c = 0$  (not possible)
- 166.(5)  $x = -3, -7$   
 $y = -7, -11$   
 $\therefore x \geq y$
- 167.(3)  $x = 3, \frac{4}{3}$   
 $y = \frac{1}{3}, 2$   
 $\therefore$  no relation
- 168.(2)  $x = \frac{1}{2}, \frac{1}{3}$   
 $y = \frac{3}{4}, \frac{2}{3}$   
 $\therefore x < y$
- 169.(4)  $x = \frac{1}{4}, \frac{1}{5}$   
 $y = \frac{1}{3}, \frac{1}{4}$   
 $\therefore x \leq y$
- 170.(1)  $x = \frac{-3}{2}, -2$   
 $y = \frac{-5}{2}, -3$   
 $\therefore x > y$
- 171.(3) Distance covered by thief in 30 minutes =  $\frac{1}{2} \times 60 = 30$  km  
 Relative speed =  $75 - 60 = 15$  km/hr  
 $\therefore$  Time required to catch the thief =  $\frac{30}{15} = 2$  hrs.  
 i.e. thief will be caught at 5.00 pm.
- 172.(2) In 10 parts of 1<sup>st</sup> liquid, water = 2 part  
 In 4 parts of 2<sup>nd</sup> liquid water =  $\frac{35}{25} = 1.4$  part  
 $\therefore$  In new mixture, water =  $\frac{3.4}{14} \times 100 = 24\frac{2}{7}\%$
- 173.(4) Other diagonal =  $2 \times \sqrt{13^2 - 5^2} = 2 \times 12 = 24$  m  
 $\therefore$  Area =  $\frac{1}{2} \times 24 \times 10 = 120$  m<sup>2</sup>  
 Required cost of painting =  $2 \times 120 \times 4.80 = \text{Rs. } 1152$   
 $P = \frac{2100 \times 100}{(10+10+\frac{10 \times 10}{100})} = \text{Rs. } 10000$ , interest =  $0.2 \times 10000 = 2000$ Rs
- 174.(4) As there is no relation between the age of the family members, so required age can't be found.
- 175.(4)
- 176.(1) Work done by leak in 1 hour =  $\frac{1}{7} - \frac{1}{8} = \frac{1}{56}$   
 $\therefore$  Time taken by leak to empty the cistern = 56 hours.
- 177.(2) Required age =  $8 \times 2 + 24 = 40$  years.
- 178.(3) Required time =  $\frac{6000 \times 5 \times 4}{8000 \times 3} = 5$  years
- 179.(2) Capital ratio =  $35 \times 12 : 60 \times 6 = 7 : 6$   
 $\therefore$  difference in profit share =  $\frac{7-6}{13} \times 26000 = \text{Rs. } 2000$
- 180.(3)  $\frac{D}{3-1} + \frac{D}{3+1} = \frac{45}{60}$   
 or,  $D = 1$  km.
- 181-185. It can be tabulated as follows  
 $\Rightarrow$  Total students = 2500  
 $\Rightarrow$  Games  $\rightarrow$  Hockey, Table Tennis, Badminton, Football, Cricket, Chess and Carrom  
 $\Rightarrow$  Ratio of girls to boys  $\rightarrow 3 : 2$   
 Total Girls  $\rightarrow 1500$ , Total boys = 1000  
 $\Rightarrow 20\%$  boys plays only Cricket  
 $= \frac{20 \times 1000}{100} = 200$   
 $\Rightarrow 26.8\%$  boys play only football  
 $= \frac{268 \times 1000}{100} = 268$   
 $\Rightarrow$  Girls play only cricket is 175% of boys play only Cricket  
 $= \frac{200 \times 175}{100} = 350$   
 $\Rightarrow \frac{1}{4}$  th of the girls play only badminton  
 $\Rightarrow \frac{1}{4} \times 1500 = 375$

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⇒ Girls playing → Table tennis, badminton and Carrom only

$$= \frac{25 \times 1500}{100} = 375$$

⇒ Boys playing Hockey, Table-tennis and Carrom only

$$= \frac{25.7 \times 1000}{100} = 257$$

⇒ Girls and boys in chess = 12 : 11

⇒ Remaining boys play only chess

$$\rightarrow 1000 - 200 - 268 - 257 = 275$$

$$\text{Girls play chess} = \frac{275}{11} \times 12 = 300$$

⇒ Remaining girls play Football and Hockey only

$$= 1500 - 300 - 375 - 375 - 350 = 100$$

Games	Number of boys	Number of girls
Cricket	200	350
Football	268	-
Chess	275	300
Badminton	-	375
Football + Hockey	-	100
Table tennis, badminton, carrom	-	375
Hockey, table-tennis, carrom	257	-
<b>Total</b>	<b>1000</b>	<b>1500</b>

181.(3) From the above table, number of students playing more than one game

$$= 100 + 375 + 257 = 732$$

182.(3) Total number of students playing

$$\text{hockey} = 100 + 257 = 357$$

Therefore, required percentage

$$= \frac{357}{2500} \times 100\% = 14.28\%$$

183.(1) Total number of boys playing chess = 275

Total number of girls playing

$$\text{badminton} = 375 + 375 = 750$$

$$\therefore \text{Required ratio} = 275 : 750 = 11 : 30$$

184.(2) Total number of students playing football, cricket and table-tennis

$$= 200 + 350 + 268 + 100$$

$$+ 375 + 257 = 1550$$

185.(5) Number of students playing carom = 375 + 257 = 632.

$$186.(5) ? = \frac{70}{100} \text{ of } 320 + \frac{45}{100} \text{ of } 240 = 224 + 108 = 332$$

$$187.(1) ? = 29.92 \times 2.4 + 21.28 \times 4.5 = 71.808 + 95.76 = 167.568.$$

$$188.(2) ? = 7523 + 2963 - 3847 - 4253 = 2386.$$

$$189.(4) ? = \frac{4}{7} \text{ of } \frac{8}{9} \text{ of } \frac{7}{8} \text{ of } 180 = \frac{4}{7} \times \frac{8}{9} \times \frac{7}{8} \times 180 = 80$$

$$190.(4) \frac{65}{100} \text{ of } 240 + \frac{?}{100} \text{ of } 150 = 210$$

$$156 + 1.5 \times ? = 210$$

$$\therefore ? = \frac{210 - 156}{1.5} = 36$$