

# IBPS CLERK MAINS GRAND TEST – ICM180105

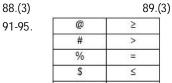
		ANSWER KEY							
1. (5)	21. (5)	41. (4)	61.(4)	81.(2)	101.(5)	121.(2)	141.(2)	161.(1)	181.(4)
2.(4)	22. (3)	42. (5)	62.(1)	82.(4)	102.(4)	122.(4)	142.(3)	162.(5)	182.(2)
3. (4)	23.(5)	43.(2)	63.(5)	83.(2)	103.(4)	123.(2)	143.(4)	163.(3)	183.(2)
4. (2)	24.(3)	44.(3)	64.(3)	84.(5)	104.(1)	124.(2)	144.(5)	164.(4)	184.(1)
5. (2)	25. (2)	45.(3)	65.(2)	85.(1)	105.(2)	125.(2)	145.(1)	165.(3)	185.(2)
6.(5)	26. (4)	46. (3)	66.(5)	86.(2)	106.(4)	126.(2)	146.(4)	166.(4)	186.(3)
7. (5)	27. (4)	47.(1)	67.(2)	87.(3)	107.(3)	127.(5)	147.(1)	167.(3)	187.(2)
8.(1)	28. (4)	48. (5)	68.(3)	88.(3)	108.(2)	128.(3)	148.(5)	168.(3)	188.(1)
9. (3)	29. (2)	49.(2)	69.(2)	89.(3)	109.(1)	129.(2)	149.(2)	169.(3)	189.(2)
10. (1)	30.(2)	50.(4)	70.(4)	90.(5)	_110.(1)	130.(5)	150.(1)	170.(3)	190.(3)
11.(1)	31.(4)	51.(2)	71.(3)	91.(3)	111.(3)	131.(4)	151.(2)	171.(2)	
12.(3)	32.(2)	52.(3)	72.(5)	92.(4)	112.(5)	132.(1)	152.(5)	172.(2)	
13. (2)	33. (2)	53.(4)	73.(4)	93.(2)	113.(2)	133.(2)	153.(2)	173.(3)	
14.(4)	34.(2)	54.(3)	74.(3)	94.(1)	114.(2)	134.(3)	154.(1)	174.(4)	
15.(1)	35. (2)	55.(4)	75.(5)	95.(3)	115.(2)	135.(5)	155.(1)	175.(5)	
16. (1)	36. (1)	56.(3)	76.(4)	96.(3)	116.(3)	136.(1)	156.(3)	176.(5)	
17.(3)	37. (5)	57.(2)	77.(4)	97.(3)	117.(5)	137.(4)	157.(5)	177.(2)	
18.(1)	38. (2)	58.(4)	78.(3)	98.(2)	118.(2)	138.(2)	158.(1)	178.(5)	
19. (4)	39. (5)	59.(3)	79.(2)	99.(3)	119.(5)	139.(3)	159.(3)	179.(4)	
20. (4)	40.(2)	60.(5)	80.(3)	100.(1)	120.(3)	140.(1)	160.(4)	180.(3)	

# HINTS & SOLUTIONS

51.(2)	52.(3)	66-70.	The complete sequence to form meaningful paragraph
53.(4)	54.(3) 55.(4)		is DBFAGEC.
56.(3)	Access means the means or opportunity to approach or	66.(5)	67.(2)
	enter a place. So, approach is the word which is similar in	68.(3)	69.(2) 70.(4)
	meaning to it.	71.(3)	Replace 'has lead to the break' with 'lead to the breach'
57.(2)	Supplant means take the place or move into the position	72.(5)	
	of. So, replace is the word which is similar in meaning to it.	73.(4)	Replace 'did you not returned' with 'did you not return'
58.(4)	Distinction means a difference or contrast between similar	74.(3)	Replace 'I am beginning to realising' with 'I am beginning
	things or people. So, difference is the word which is similar		to realise'
	in meaning to it.	75.(5)	
59.(3)	Diminish means decrease in size, extent, or range. So,	76.(4)	This is an incomplete sentence since the verb is missing.
	increase is the word which is opposite in meaning to it.		Option (d) provides the verb (is recognized) and presents
60.(5)	Retreat means the act of withdrawing or going backward.		the only complete sentence among the options.
	So, advance is the word which is opposite in meaning to	77.(4)	This was an unnecessary shift of pronoun. Do not shift
	it.	( )	from 'you' to 'one'. Choice D changes the shift
61.(4)	'affected, scale' fits the sentence appropriately.		unnecessarily.
62.(1)	'conscious, keep' fits the sentence appropriately.	78.(3)	The demonstrative pronoun 'those' is needed here – <i>from</i>
63.(5)	'argued, control' fits the sentence appropriately.	70.(3)	those
		70 (2)	
64.(3)	'spanning, adieu' fits the sentence appropriately where	79.(2)	Community needs a singular verb, influences. Also, the
	'spanning' means to extend across (a period of time or a	00 (0)	pronoun which refers to <i>community</i> should be singular.
( = (0)	range of subjects) and 'adieu' means goodbye.	80.(3)	Option (3) is the correct answer as it is the best way of
65.(2)	'With, garrisoned' fits the sentence appropriately where		expressing the idea.
	'garrisoned' means a group of troops stationed in a	81.(2)	82.(4)
	fortress or town to defend it.	83.(2)	84.(5) 85.(1)
	1		

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86.(2)

112.(5)

	*	<	
91.(3)		92.(4)	
93.(2)		94.(1)	95.(3)
96.(3)		97.(3)	

87.(3)

90.(5)

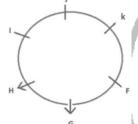
98.(2) Only 385 will be divisible by 3 when added 2 on first digit of each number.

99.(3)	864 521 743 853 962
100.(1)	$8 \div 4 = 2$ .
101.(5)	786 614 539 487 398
102 (4)	103.0

	398	786 614 539 487	101.(5)
	103.(4)		102.(4)
	105.(2)		104.(1)
	107.(3)		106.(4)
11	109.(1)		108.(2)

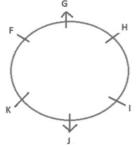
108.(2) 109.(1) 110.(1)
111.(3) From I. P. B.A. L. or P. B. L. A
The position of L cannot be determined
Hence I alone is not sufficient.

From II. ----B--T--R-----A. It is clear that there are 11 persons between A and B. Hence II alone is sufficient.

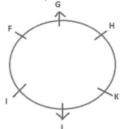


Hence K is second to the left of G.

From II Possibility i-

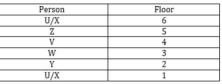


Possibility ii-



Thus I alone is sufficient to answer the question.

113.(2) From I.



Hence I alone is not sufficient to answer the question. From II

Person	Floor
X	6
Z/V	5
V/Z	4
W	3
Y	2
U	1

Hence R lives on the lowermost floor. Thus II alone is sufficient to answer the question.

114.(2) From I. Total distance between school and park can't be determined. From II & III we can't determine the distance.
115.(2) From I, II & III we can't determine the number of sports matches.

A →	<b>←</b> D	
w c	z	
" " (	117.(5) 119.(5)	120.(3)
	122.(4) 124.(2)	. 20 (0)

125.(2) GATE is the only word that can be made from these 4 letters

ic ttoi 5		
i	word	code
	do	kile
	not	nate
	go	miku
	to	pila
	what	nimu
	reason	hibe/chine
	man	chine/hibe
		4

116-120.

116.(3) 118.(2) 121.(2) 123.(2)

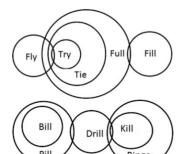
126-128

128.(3)

	man	chine/hibe		
ú	D.	1	27.(5)	
ς	J.	1	29.(2)	130.(5)

131-135. Input: 266 526 119 145 444 179 159 169 199 189 Step II: 199 266 526 119 145 444 179 159 169 189 Step III: 199 189 266 526 119 145 444 179 159 169 Step III: 199 189 179 266 526 119 145 444 159 169 Step IV: 199 189 179 169 266 526 119 145 444 159 Step V: 199 189 179 169 159 266 526 119 145 444 Step VI: 199 189 179 169 159 266 526 444 119 145

131.(4)	132.(1)	
133.(2)	134.(3)	135.(5)



137.(4)

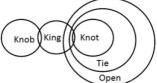
136.(1)

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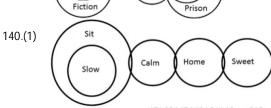
Pulp











141.(2) Required average= 
$$\frac{45+20+45+42+26+40}{6} = \frac{218}{6}$$
  
= 36.3  $\approx$  36 (Approx.)

- Overall ratings of HR= 50 + 45 + 40 + 50 + 46 + 50 = 281142.(3) Overall rating of Finance = 48 + 45 + 35 + 40 + 30 + 41 = 239Overall rating of Sales = 50 + 45 + 42 + 35 + 50 + 40 = 262Overall rating of Exports = 50 + 45 + 40 + 30 + 50 + 48 = 263And Overall ratings of IT = 45 + 20 + 45 + 42 + 26 + 40 = 218Hence, 2nd highest overall rating is for exports.
- Rating for Negotiation = 46 + 30 + 50 + 50 + 26 = 202143.(4) Rating for Creativity = 40 + 35 + 42 + 40 + 45 = 202Rating for Team building = 50 + 41 + 40 + 48 + 40 = 219Rating for Problem solving = 50 + 40 + 35 + 30 + 42 = 197Rating for Leadership = 50 + 48 + 50 + 50 + 45 = 243And rating for Interpersonal skills = 45 + 45 + 45 + 45 + 20 = 200Hence, Rating is the lowest for problem solving.
- Required difference = 263 239 = 24. 144.(5)
- Required% =  $\frac{20 \times 100}{14 + 45 + 45 + 45}$ 145.(1)

146.(4) 
$$A + B = \frac{1}{10}$$
  
 $B + C = \frac{1}{15}$   
 $C + A = \frac{1}{20}$ 

$$(A + B + C) = = \frac{13}{120}$$
  
6 days work =  $\frac{78}{120}$ 

Remaining work = 
$$1 - \frac{78}{120}$$
  
=  $\frac{42}{120} = \frac{7}{120}$ 

- (B + C)'s 4 days work =  $\frac{4}{15}$
- ∴ Remaining work =  $\frac{7}{20} \frac{4}{15}$
- $\therefore$  Required no. of days =  $\frac{12}{1}$ = 10 days
- Required time =  $\frac{(54-45)}{54} \times 60$ 147.(1) = 10 min.

148.(5) Let First no = x

$$\therefore \text{ Second no} = \frac{x}{2}$$
Third no =  $\frac{x}{3}$ 
Given  $x + \frac{x}{2} + \frac{x}{3} = 154 \times 3$ 
 $x = 252$ 
Required difference =  $x - \frac{x}{3} = 168$ 

$$149.(2) \quad \frac{\frac{PR^{2}(300+R)}{(100)^{3}}}{\frac{PR^{2}}{(100)J^{2}}} = \frac{19}{6}$$

$$\therefore R = 16\frac{2}{9}\%$$

150.(1) 
$$P_{1}\left(1 + \frac{4}{100}\right)^{5} = P_{2}\left(1 + \frac{4}{100}\right)^{7}$$

$$\therefore P_{1}: P_{2} = 676: 625$$

$$\therefore P_{1} = \frac{676}{1301} \times 2602$$

$$= 1352$$

152.(5) 
$$\frac{22}{7} + \frac{22}{5} - \frac{13}{5} = ?$$
$$? = \frac{22}{7} + \frac{9}{5}$$
$$= \frac{110+63}{25} = \frac{173}{35}$$

- 5287 254.804 = 5032.196
- $400 \times 225 70000 = 90000 70000 = 20000$

155.(1) 
$$\frac{?}{100} \times 170 = 85 \Rightarrow ? = 50.$$

- Total unsold toys in 2012 =  $\frac{20}{100} \times 100 + \frac{15}{100} \times 141 = 41.15$  thousand Required difference = 744 720 = 24 thousand Required percentage =  $\frac{159 78}{78} \times 100 \approx 104\%$ 156.(3)
- 157.(5)
- 158.(1)
- Average number of toys in  $P = \frac{744}{6} = 124$  thousand 159.(3) Average number of toys in Q =  $\frac{720}{4}$  = 120
  - : Required percentage =  $\frac{124-120}{120} \times 100 = 3\frac{1}{3}\%$
- Cost incurred in manufacturing = 109000 × 50 = Rs. 54,50,000 160.(4) S.P of 90% products =  $\frac{90}{100} \times 109000 \times 80 = Rs.78,48,000$   $\therefore$  Required profit % =  $\frac{23.98,000}{54.50,000} \times 100 = 44\%$
- 161.(1) If the statement I alone is sufficient to answer the question, but the statement II alone is not sufficient.

From I,  

$$\frac{3}{5} * x = x - 90$$
  
or,  $\frac{2x}{5} = 90$ 

Hence, Number, x = 5\*45 = 225

- We cannot get the answer from the statement I and II together, but need even more data.
- 163.(3) From I and II together, salary of A  $= 5 \times 65780 - (88545 + 59020) = 328900 - 147565 =$ Rs.181335.
- From I, S.P. of 1 watch=15675 and C.P. of 1 watch  $\times \frac{4}{5}$  = Rs. 12540 164.(4) ∴ Profit= 15675 - 12540 = Rs. 3135 Hence, only statement I alone is sufficient. From II - we can also get the profit value from this statement.
- From I and II, 165.(3) Salary of R =  $45980 \times 5 - (90670 + 76540)$ = 229900 - 167210 = Rs. 62690
- The only values that fit situation are C 25%, B 30%, and A 45%. These are the percentage of votes polled. (Note: these value can be got either through trial and error or through solving C + C + 5 + 1.5 (C+5) = 100%

Then, 20% is 18000 (the difference between A & C.) Hence, 90000 people must have voted.

So number of voter on voting list = 1,00,000

Let total monthly income be 'x' Rs.  $\therefore x * \frac{80}{100} * \frac{85}{100} * \frac{70}{100} = 9520$ Total monthly income = 20,000 Rs 167.(3)

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- 168.(3) Since, A + B + C = 3\*84 = 252 A + B + C + D = 4\*80 = 320  $\therefore$  Weight of E = weight of D + 3 = (320 - 252) + 3 = 71 kg.Since, B + C + D + E = 4\*78 = 312  $\therefore 320 - A + 71 = 312$  $\therefore$  Weight of A = 391 - 312 = 79 kg.
- 169.(3) Age of captain = 11 \* 30 (5 \* 27 + 5 \* 29) = 50 years.
- 170.(3) by Allegation concept, 90 97 94 3 4
  - ∴ Quantity of first solution in mixture =  $\frac{3}{7} \times 21 = 9$  *litre*
- 172.(2) Since,  $2 \times 2$  men of first group =  $1 \times 4$  men of second group  $\therefore$  Efficiency of both group are in ratio = 1:1Since,  $M_1 \times D_1 \times T_1 \times E_1 \times W_2 = M_2 D_2 T_2 E_2 W_1$  $30 \times 10 \times 4 \times 1 \times 2 = 45 \times D_2 \times 8 \times 1 \times 1$
- ∴ No. of day's  $D_2 = 6\frac{2}{3}$  days 173.(3) 996 - x = x - 8942x = 1890
- x = 945 Rs. 174.(4) Let Nishi's age = 6xVinee's age = 5x  $\frac{6x+9}{5x+9} = \frac{9}{8}$  48x + 72 = 45x + 81 3x = 9
  - x = 3 $\therefore$  Required difference = 3 yr.
- 175.(5)  $30240 = \frac{84000 \times r \times 3}{100}$  r = 12%At SI, equated rate = 36% At CI, equated rate = 40.4928%  $\therefore 4.4928\%$  of 84000 = 3773.95 $\therefore \text{Required amount} = 30240 + 3773.95 = 34013.95$
- 176.(5)  $\begin{aligned}
  1. x^2 + x 20 &= 0 \\
  (x+5)(x-4) &= 0 \\
  x &= 4, -5 \\
  II. y^2 y 30 &= 0 \\
  (y-6)(y+5) &= 0 \\
  y=-5, +6 \\
  \text{no relation}
  \end{aligned}$
- 177.(2) I.  $225x^{2} 4 = 0$   $x = \pm \frac{2}{5}$ II.  $\sqrt{225y} + 2 = 0$   $y = \frac{-2}{15}$  $\therefore x \ge y$
- 178.(5) I.  $\frac{4}{\sqrt{x}} + \frac{7}{\sqrt{x}} = \sqrt{x}$ 11 = x

  II.  $y^2 \frac{(11)^{\frac{5}{2}}}{\sqrt{y}} = 0$   $y^{\frac{5}{2}} = (11)^{\frac{5}{2}}$  y = 11  $\therefore x = y$

- 179.(4) I.  $x^2 365 = 364$   $x^2 = 729$   $x = \pm 27$ II.  $y - \sqrt{324} = \sqrt{81}$  y = 9 + 18 = 27 $\therefore x \le y$
- 180.(3) I.  $3x^2 + 8x + 4 = 0$  (3x + 2)(x + 2) = 0  $x = \frac{-2}{3}, -2$ II.  $4y^2 - 19y + 12 = 0$  (4y - 3)(y - 4) = 0  $y = \frac{3}{4}, 4$  $\therefore x < y$
- 181.(4) Average Budget of B during  $2008-12 = \frac{795}{5} = 159$ Average budget of A during  $2008-12 = \frac{777}{5} = 155.4$ Required % =  $\frac{159}{155.4} \times 100 = 102\%$
- 182.(2) Budget allocated for boys in 2012
  = 35% of 182
  = 63.70 crore
  Budget left = 182 63.7 = 118.3 crore
  Now in 2013, 35% more was increased
  Then, budget for boys in 2013
  = 135% of 63.7
  = 85.9%  $\approx$  86%
  Then budget in 2013
  = 86 + 118.3 = 204.30 crore
  Required % =  $\frac{204.3 182}{182} \times 100$ = 12.25%
- 183.(2) Budget allocated for girls in 2011 from state  $A = \frac{3}{4} \times 205$ = 153.75 crore Amount spent on higher education =  $\frac{21}{41} \times 153.75$ = 78.75 crore 184.(1) Average budget of C from 2009 to 2012
  - $= \frac{771}{4} = 192.75 \text{ crore}$ Now budget in 2013 = 113% of 192.75
    = 217.8075 crore
    Decrease in budget = 220 217.8075
    = 2.1925 crore
- 185.(2) Share allocated from budget = 23% of 135 = 31.05 croreShares of NGOs = 67.3 31.05 = 36.25 croreNow, let the share of NGOs in previous year be x  $\therefore 110\% \text{ of } x = 36.25$  x = 32.9 crore  $\approx 33 \text{ crore}$
- 186.(3)  $(2)^{7.2+4.8-4} = (2)^{?}$ ? = 8
- 187.(2) 187 18 = 169.
- 188.(1) 28 × 11.25 = 315
- 189.(2)  $? = 64896 / (312 \times 26)? = 8.$
- 190.(3)  $14 \times 2 \times 8 \times 5 = 1120$