

IBPS CLERK MAINS GRAND TEST – ICM180104
ANSWER KEY

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

HINTS & SOLUTIONS

- 51.(3) Refer to the last line of the 5th paragraph of the passage, "burning of dry leaves, plastic, and other forms of waste along road sides add to toxic carbon monoxide and hydrocarbon emissions. Doctors say inhaling these fumes is at least 10 times more harmful than inhaling the smoke emitted by vehicles."
- 52.(4) Refer to the 6th paragraph of the passage, "Delhi should also take a leaf out of China's book and follow a formal mechanism of issuing pollution-related alerts to its citizens".
- 53.(1) Two wheelers are not banned while it is clearly said India must take a leaf out of China's book to provide it's citizens with pollution related alerts. Hence steps (ii) and (iii) are incorrect.
- 54.(3) It is the most suitable title for the passage.
- 55.(3) Refer to the 5th paragraph of the passage, "environmentalists say that focusing exclusively on vehicles will result in ignoring other villains, such as industrial production or the burning of waste in the open, which also contribute significantly to messing up the city's air".
- 56.(3) For option (ii) check the last paragraph, "transport experts feel such an experiment can succeed only if last mile connectivity is augmented by providing cycling tracks, increasing the number of state-run buses, improving travel safety for women, and adding to the fleet of metro feeder buses as is the case around the world", while option (iii) is incorrect.
- 57.(3) Notorious means famous or well known, typically for some bad quality or deed. Prominent is the most similar in meaning.
- 58.(4) Whittling means reduce something in size, amount, or extent by a gradual series of steps. Emasculate is the most similar in meaning.
- 59.(3) Ramification means a complex or unwelcome consequence of an action or event. Antecedent is the word most opposite in meaning which means a thing that existed before or logically precedes another.
- 60.(5) Mantle means an important role or responsibility that passes from one person to another. Exemption is the word most opposite in meaning.
- 61.(5)
- 62.(4) Replace 'to' with 'for'
- 63.(2) Replace 'fetch' with 'fetched'
- 64.(1) Use 'took' in place of 'taken.' The sentence is in Simple Past Tense.
- 65.(2) Use 'any' in place of 'none'. Double negatives are not used in a sentence.

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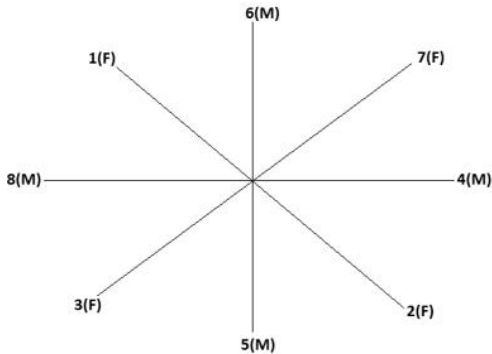
- 66.(3) (i) In a move that will impact about 17 crore workers, the Central Board of Trustees of the Employees Provident Fund Organization (EPFO) reduced the interest rate payable on their PF Savings.
(ii) The decision to reduce the interest rate payable on their PF Savings taken by the Central Board of Trustees of the Employees Provident Fund Organization (EPFO) on Monday will impact about 17 crore workers.
- 67.(3) (ii) With the CPN (Maoist-Centre) -led government in Nepal approving amendments to the Constitution that will be tabled in Parliament, a first step towards positive change has been made in addressing federal concerns.
(iii) Finally, a step towards positive change has been made in addressing federal concerns with the CPN (Maoist-Centre) -led government in Nepal approving amendments to the Constitution that will be tabled in Parliament.
- 68.(2) iii. The blast in Hilla that killed over 100 people, mostly Iranian pilgrims, reinforces the fear that the Islamic State remains a potent force in Iraq despite recent military setbacks.
- 69.(1) Shortly after the Bhopal jailbreak, all those who had escaped were gunned down in an alleged encounter.
- 70.(1) Almost five decades after India first formulated its National Education Policy, the Ministry for Human Resource Development appears to be gearing up for another revision to this policy document.
- 71.(2) 'meant' is the correct use.
- 72.(5) 'symbolise' is the correct use which means to represent something.
- 73.(3) 'squandering' is the correct use which means to waste (something, especially money or time) in a reckless and foolish manner.
- 74.(1) 'grim' is the correct use which means very serious or gloomy.
- 75.(4) 'eleventh' is an idiom which means at the last minute.
- 76.(3) Uncanny means beyond the ordinary or normal; extraordinary: hence it is opposite in meaning to natural.
- 77.(1) Squalid means foul and repulsive, as from lack of care or cleanliness; neglected and filthy. Hence it is same in the meaning to sordid.
- 78.(1) Stout means (of an object) strong and thick which is opposite or antonym of fragile, therefore option (1) is the correct choice for the given question.
- 79.(5) Effeminate means (of a man) having characteristics regarded as typical of a woman; unmanly hence manly is the word most opposite in meaning.
- 80.(3) Dissipate and waste are same in meaning hence option (3) is the correct choice for the given question.
- 81-85. The correct sequence to form meaningful sequence is BEADFC.
- 81.(2) 82.(1)
- 83.(3) 84.(4) 85.(5)
- 86.(4) Options (1) and (3) are very generalized statements. Option (2) is a repetition of the idea presented in the beginning of the paragraph. The para talks about how developed countries indulge in trade protectionism as a move against China and India's economic rise, under the guise of climate concern.
Option (4) and (5) talk about the same thing but (4) goes along with the subtle suggestive tone of the para while (5) is more curt in its accusation of „perpetrators of inequity“.
- 87.(2) The para is a description of the Jewry settlement. (4) can be eliminated as it brings in a hint of skepticism. (3) is a mere repetition of an idea already discussed in the para (that of Jews being tolerant).
(5) can also be eliminated as it brings an alien concept – that of Mattancherry's popularity with the tourists. Between (1) and (2), we will eliminate (1) as it has a more conclusive tone, which is not in sync with the descriptive nature of the paragraph.
- 88.(5) Option (1) can be easily eliminated as it is a mere repetition of the ideas presented in the para.
Option (2) is a little farfetched as it should come one or two more sentences later in the para. Option (3) does not match with the idea presented in the passage. Option (4) does not match with the tone of the paragraph. Option (5) completes the idea as the emphasis in the last line of the para is that the idea of pure Western and pure Indian thoughts is deceptive.
- 89.(5) Option (5) is the most appropriate as it extends the idea of why we require personifications.
- 90.(1) The essence of the paragraph is Photographs still have some allure, in spite of going digital. The key word is 'Nevertheless' at the beginning of the paragraph. This resonates with 'yet' at the beginning of option (1) and completes the paragraph logically. The paragraph starts with the core idea, moves on to state how the technology behind creating photographs has evolved, and concludes by coming back to the core idea.
Let's evaluate the other (4) other options. Option (2) adds new data with 'soldier' and 'traveller', and option 3 with 'beloved' and 'dead' They merely extend the paragraph without completing it. Option (4) could be a good option, except that it does not accommodate 'nevertheless' given at the start of the paragraph. Option (5) too adds a new (tangential) idea which extends the paragraph instead of concluding it. Option (1) is the reason why the paragraph is written -- to communicate that 'photographs are still powerful'. Hence, the correct answer is option (1).
- 91.(5) Using both statements together, E is the tallest person.
- 92.(1) Using statement I, A is mother of B.
- 93.(2) Using statement II alone, the code for 'R' is 3.
- 94.(1) Using statement I alone, the day on 9th December will be Wednesday.
Using statement II, we cannot find the exact day as it will depend on whether the current year is leap year or not. So there will be two possibilities and the day on 9th December will be either Wednesday or Thursday.
- 95.(1) Using statement I alone, since M has three uncles and P has only two brothers, then Q has only one brother.
- 96-100.
- | Children | Age | Father | Mother |
|----------|-----|--------|----------|
| Q | 4 | Anurag | Kanika |
| P | 6 | Keshav | Vaishali |
| R | 5 | Vishnu | Roli |
| S | 3 | Himesh | Meena |
| T | 9 | Ratan | Jyoti |
- 96.(1) 97.(2)
- 98.(4) 99.(2) 100.(2)
- 101-104.
- | | |
|---|---|
| 7 | V |
| 6 | R |
| 5 | S |
| 4 | P |
| 3 | U |
| 2 | T |
| 1 | Q |

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101.(3)
103.(4)

102.(5)
104.(1)

105-108.



105.(4)
107.(5)
109.(3)

106.(2)
108.(2)
110.(4)

111-115.

DAY	PERSON	COMPANY
Monday	K	B
Tuesday	R	C
Wednesday	J	D
Thursday	M	A
Friday	T	E
Saturday	L	F
Sunday	Q	G

111.(3)
113.(4)
116.(1)
119-123.

112.(1)
114.(5)
117.(4)

115.(2)
118.(2)

A N I K E T
[125] [850] [125] [850] [125] [850]

Rule I. If the word is of 5 letters :

- (i) All the consonants are replaced by (730).
- (ii) If there is a single vowel, then it is replaced by (130).
- (iii) If there are more than one vowel and they are different, then they are replaced by (150).
- (iv) If there are more than one vowel and they are same, then they are replaced by (170).

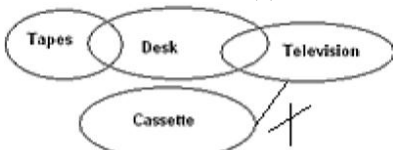
Rule II. If the word is of 6 letters :

- (i) All the consonants are replaced by (850).
- (ii) If there is a single vowel, then it is replaced by (225).
- (iii) If there are more than one vowel and they are different, then they are replaced by (125).

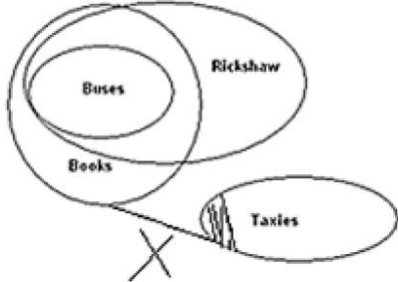
119.(4)
121.(2)
124.(3)

120.(1)
122.(1)

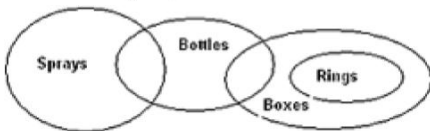
123.(3)



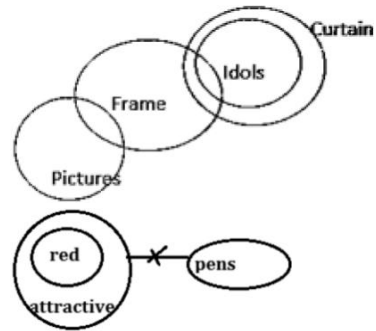
125.(2)



126.(4)



127.(2)



128.(4)

129.(3)
132.(3)
135.(2)

130.(2)
133.(5)

131.(2)
134.(4)

There is only one pairs.

A N I K E T

136.(3)

Sathyarathi's position from left end = 10th
Sathyarathi's position from right end = 17th
Total number of children in the row = 10 + 17 - 1 = 26

137.(1)

Leela is cousin of the boy.

138.(1)

139.(3)

140.(2)

141.(4)

Since, marks of geography or Relationship between all three subject is not given.

Hence, we cannot find the marks secured in mathematics i.e. data inadequate

Total age of boys = 32 × 14 = 448 years

Total age of girls = 28 × 13 = 364 years

∴ Average age of whole class = $\frac{448+364}{32+28} = \frac{812}{60} = 13.53$

Let Students in schools are 5x, 8x and 4x respectively

After increasing, No. of students in school A = $4x \times \frac{120}{100} = 6x$

No of students in school B = $8x \times \frac{125}{100} = 10x$

No of students in school C = $4x \times \frac{130}{100} = \frac{26}{5}x$

∴ Required New Ratio = $6x : 10x : \frac{26x}{5}$
= 15 : 25 : 13

144.(5)

Ratio of their investment

Karan : Shirish = 12 × 60000 : 6 × 100000 = 6 : 5

∴ Profit share of Shirish = $\frac{5}{5+6} \times 151800 = 5 \times 13800 = 69000$

145.(1)

Work will be completed by a men = 8 × 4 = 32 days

Work will be completed by a Women = 12 × 4 = 48 days

Work will be completed by a children = 8 × 8 = 64 days

∴ Work remained after 2 days (if 2 men, 8 children and 3 women)

= $1 - 2 \times \left[\frac{2}{32} + \frac{8}{64} + \frac{3}{48} \right]$

= $1 - 2 \times \left[\frac{12+24+12}{192} \right]$

= $1 - \frac{48}{96} = \frac{1}{2}$

∴ No. of women required to finish the remained work. $n \times \frac{2}{48} = \frac{1}{2}$

∴ No of women n = 12 women

146.(2)

Since, Due to stoppages, in one hour. It covers

[64 - 48 = 16 km] less distance.

∴ Time taken to cover 16 km = $\frac{\text{distance}}{\text{speed}} = \frac{16}{64}$ hour

= $\frac{16}{64} \times 60$ Minute = 15 minutes

147.(1)

Total salary of Mr. Sinha = $3660 \times \frac{100}{12} = 30500$ Rs.

∴ Amount invested by Mr. Sinha = $\left[3660 + \frac{16 \times 20500}{100} + \frac{3 \times 20500}{100} \right] \times 12$
= (3660 + 4880 + 915) × 12 = 113460 Rs.

148.(3)

SI = $\frac{9535 \times 4 \times \text{time}}{100}$

= $\frac{(1142 - 9535) \times 100}{9535 \times 4} = \text{time}$

∴ time = $\frac{1907 \times 100}{9535 \times 4} = 5$ years

149.(3)

Let length of field =

∴ breadth of field = $\frac{3}{4}l$
 ∴ Area = 300
 $l \times \frac{3}{4}l = 300$
 Length = 20 m
 Breadth = 15 m
 ∴ Area of field = $([20 + 3] \times [15 + 3]) - 300 = 114 \text{ sq. m}$

150.(1) Since, Area of floor = $\frac{256}{2} = 128 \text{ sq. m}$.

∴ Length × breadth = 128
 $\text{Length} \times \frac{\text{length}}{2} = 128$
 ∴ length = $\sqrt{256} = 16 \text{ m}$

151.(4) $\frac{1200}{14900} \times 100 = 8\%$ (approx.)

152.(3) Total officer = 72760
 Total clerk = 105,450
 Difference = 32690

153.(2) Clerk = 11000
 Officer = 9000
 Req. percent = $\frac{11000-9000}{9000} \times 100$
 = 22% (approx)

154.(3) 300% means 4 times the number clerks in Bangalore, which is in Hyderabad.

155.(4) Mumbai has highest number of candidate

156.(3) $6^3 - 12 \cdot 5^3 - 10 \cdot 4^3 - 8 \cdot 3^3 - 6 \cdot 2^3 - 4 \cdot 1^3 - 2 \dots 3^3 - 6 = 33$

157.(3) $\times 2.5, \times 3, \times 3.5, \times 4 \dots$
 $472.5 \times 4 = 630$

158.(4) $\times 2 + 6, \times 2 + 10, \times 2 + 14, \times 2 + 18 \dots$
 $(2290 \times 2) + 14 = 4594$

159.(1) $\times 2 + 2^2, \times 3 + 3^2, \dots \times 4 + 4^2 \dots$
 $(72 \times 3) + 3^2 = 225$

160.(5) $1^3 + 1, 4^3 - 4, 2^3 + 2, 5^3 - 5, 3^3 + 3, 6^3 - 6$
 $6^3 - 6 = 210$

161.(2) $\frac{90}{\frac{75+83+80+86+90+91}{6}} \times 100 = 106.93\%$

162.(5) Percentage increase in production in 2008 = 2.35%
 In 2009 = 2.29%
 In 2010 = 2.24%
 In 2011 = 1.09%
 In 2012 = 4.34%
 So second highest % increase in production is in year 2008.

163.(3) Average production in 2009 = $\frac{105+83+300+281+35+89}{6} = \frac{893}{6}$
 Average production in 2012 = $\frac{132+91+340+287+45+96}{6} = \frac{991}{6}$
 Difference = $\frac{991-893}{6} = \frac{98}{6}$ lakh or $16\frac{1}{3}$ lakh

164.(1) We can clearly see that only in company A there is decrease in production in last 3 years, so the average production in last 3 years of company A is less than that in first 3 years.

165.(2) No. of defective items by C in 2012 = $\frac{35}{100} \times 340 = 119$
 Items having unacceptable defects = $\frac{400}{700} \times 119 = 68$

Defective items sold in market = $119 - 68 = 51$

166.(2) While going average speed

$$= \frac{3xyz}{xy+yz+zx} = \frac{3 \times 50 \times 40 \times 60}{50 \times 40 + 40 \times 60 + 60 \times 50}$$

$$= \frac{(3 \times 50 \times 40 \times 60)}{2000 + 2400 + 3000}$$

$$= \frac{7400}{3 \times 50 \times 40 \times 60}$$

$$= \frac{7400}{7400}$$

$$= 48.64 \text{ km/hr}$$
 ∴ Average speed during while journey

$$= \frac{2 \times 48.64 \times 75}{(75 + 48.64)}$$

$$\approx 59.01 \text{ km/hr}$$

167.(1) Let no. of innings = x
 $\therefore \frac{6000}{(x-5)} - \frac{6090}{x} = 2$
 $\Rightarrow x^2 + 40x - 15225 = 0$
 $x = 105$

168.(2) Let no. of voters = x
 $\therefore \frac{47x}{100} - \left[\frac{90x}{100} - 60 - \frac{47x}{100} \right] = 308$
 $\therefore x = 6200$

169.(4) Required population
 $= \frac{104}{100} \times \frac{104}{100} \times \frac{92}{100} \times \frac{104}{100} \times \frac{104}{100} \times 3000000$
 $= 3228810$

170.(3) $\frac{15 \times 25}{x} + \frac{8 \times 35}{x} = 1, x = 655$
 ∴ Required days = $\frac{655}{25} = 26.2 \text{ days}$

171.(5) $\frac{12}{100} \times 885 = \frac{?}{6}$
 $? = 637.2$

172.(2) $?^2 = 69696, ? = 264.$

173.(2)
 174.(5) $? = 4207 - 3007$
 $? = 1200$

175.(2) $44.4 - 16.4 = 28.$

176.(4) Let present age of Anshu and her mother be x & y years respectively.
 $\therefore \frac{x}{y} = \frac{1}{2}$

and $\frac{x+6}{y+6} = \frac{11}{20}$

on solving, $x = 27$ and $y = 54$

∴ Required ratio = $\frac{18}{45} = \frac{2}{5}$

177.(4) $P = \frac{8730 \times 100}{6 \times 3} = \text{Rs. } 48500$

∴ Required C.I. = $(6 + 6 + \frac{36}{100})\%$ of 48500
 $= \frac{12.36}{100} \times 48500$
 $= \text{Rs. } 5994.60$

178.(4) Can't be determined as no relation between length and breadth is given

179.(1) Let first no. be x and other be y
 $\therefore 2x + 3y = 100$ and
 $3x + 2y = 120$
 On solving, $x = 32, y = 12$

180.(5) Let the numbers are x, x + 1, x + 2
 ATQ, $x = \frac{2262-3}{3} = 753$

∴ 41% of 755 = 309.55
 Candidates qualified from Delhi
 $= \frac{7}{10} \times 1.25 + 1.28 \times \frac{1}{4} = 1.195$ lakh or 119500
 Candidates failed from Haryana
 $= 2.27 \times \frac{3}{4} + 2.48 \times \frac{3}{5}$

$= 1.7025 + 1.488 = 3.1905$ lakh or 319050

Required difference = 199550

182.(3) required difference in 2011
 $= \frac{2}{12} \times 2.73 = 0.455$ lakh
 required difference in 2012

$= \frac{5}{9} \times 2.52 = 1.4$ lakh

required percentage

$= \frac{0.455}{1.4} \times 100 = 32.5\%$

183.(1) required ratio

$$= \frac{\frac{5}{8} \times 3.14 + \frac{4}{9} \times 1.08}{\frac{3}{4} \times 1.28 + \frac{5}{9} \times 1.98} = \frac{2.4425}{2.06} = 977:824$$

184.(1) average no of candidates

appeared in 2011 = $\frac{12.32}{6}$ lakh

In 2012 = $\frac{12.46}{6}$ lakh

Required difference

$$= \frac{0.14}{6} \text{ lac or } \frac{14000}{6} = 2333 \frac{1}{3} \text{ or } 2333$$

185.(2) total number of candidates qualified in 2011

$$= \frac{7}{10} \times 1.25 + \frac{5}{8} \times 3.14 + \frac{4}{9} \times 1.08 + \frac{1}{4} \times 2.27$$

$$+ \frac{3}{5} \times 1.85 + \frac{7}{12} \times 2.73 = 6.5875 \text{ lakh or } 658750$$

186.(4) $x = 8$

$y = 7$

$\therefore x > y$

187.(3) $x = 2, \frac{\sqrt{17}}{3}$

$$y = \sqrt{17}, \frac{9}{5}$$

\therefore No relation can't be established

188.(4) $x = 13$

$y = 7.6$

$\therefore x > y$

189.(1) $x = \pm\sqrt{6}, y=8$

$\therefore x < y$

190.(4) $x = 4$

$y = 3$

$\therefore x > y$

