

IBPS Clerk Preliminary Grand Test –ICP-171227

HINTS & SOLUTIONS

ANSWER KEY

1. (2)	21. (2)	41. (3)	61. (1)	81. (2)
2. (4)	22. (1)	42. (5)	62. (4)	82. (3)
3. (4)	23. (1)	43. (5)	63. (2)	83. (4)
4. (4)	24. (2)	44. (2)	64. (2)	84. (3)
5. (2)	25. (4)	45. (4)	65. (1)	85. (3)
6. (1)	26. (1)	46. (2)	66. (2)	86. (4)
7. (2)	27. (4)	47. (3)	67. (5)	87. (5)
8. (1)	28. (2)	48. (5)	68. (5)	88. (3)
9. (4)	29. (3)	49. (4)	69. (5)	89. (3)
10. (5)	30.(5)	50. (4)	70. (5)	90. (2)
11. (3)	31. (3)	51. (3)	71. (2)	91. (4)
12. (5)	32. (2)	52. (2)	72. (1)	92. (1)
13. (2)	33. (5)	53. (1)	73. (5)	93. (2)
14. (5)	34. (2)	54. (2)	74. (4)	94. (5)
15. (4)	35. (2)	55. (3)	75. (2)	95. (2)
16. (4)	36. (3)	56. (3)	76. (3)	96. (5)
17. (3)	37.(1)	57. (2)	77. (5)	97. (3)
18. (2)	38. (2)	58. (5)	78. (4)	98. (2)
19. (1)	39. (1)	59. (2)	79. (5)	99. (3)
20.(5)	40. (4)	60. (3)	80. (2)	100. (3)

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1-5. The sequence after rearrangement of the sentences is DAECB.

1. (2) 2. (4)
 3. (4) 4. (4) 5. (2)
6. (1) 'aware' is the appropriate word for the blank as the paragraph talks about meditation which is being conscious of performing action through divinity.
7. (2) 'action' best suits the purpose as it is also used in above sentence.
8. (1) 'performing' best suits the purpose.
 Contrive means create or bring about (an object or a situation) by deliberate use of skill and artifice.
9. (4) 'respect' is the most appropriate word.
10. (5) No correction is required here.
11. (3) 'thought' best suits the purpose.
 Perversity means a deliberate desire to behave in an unreasonable or unacceptable way.
 Discretion means the quality of behaving or speaking in such a way as to avoid causing offence or revealing confidential information.
12. (5) No correction is required here.
13. (2) 'studied' is the most appropriate word.

- Conceited means excessively proud of oneself, vain.
14. (5) No correction is required here.
15. (4) 'bliss' best suits the purpose.
16. (4) 'or been damaged' is the correct use as the two verbs used 'collapse' is an Intransitive verb whereas 'damage' is the transitive verb.
17. (3) 'he repeats' is the correct use as the sentence is not a question but a statement for which 'subject + verb' is used.
18. (2) 'got used to living' is the correct use as 'to' used after 'used' is not an infinitive particle but a preposition and the verb that comes after any preposition is always in V4 form.
19. (1) 'in arousing' is the correct use as 'in +V4' is used after 'succeed'
- 20.(5) No improvement is required here.
21. (2) Option (2) is correct
 In order to ascertain the main point that the author is trying to make, it is important to examine logical flow of the passage.
- 1st Paragraph: Explain a seemingly amazing accomplishment and ask whether it really is as impressive as it first appears.
- 2nd Paragraph: Explain factors that made the impressive accomplishment not as impressive.
- 3rd Paragraph: Explain how the seemingly amazing accomplishment didn't have to turn out the way it did.
- 4th Paragraph: Explain how the seemingly amazing accomplishment didn't have to turn out the way it did.
1. The Aztec failure to fight in an unconventional manner is discussed only in the last paragraph and is mentioned only to make a larger point: the fall of the Aztec was not as impressive as it originally appeared.
2. This encapsulates the logical flow and main points of the passage.
3. This topic is only discussed during part of the second paragraph and is mentioned only to make a larger point: the fall of the Aztec was not as impressive as it originally appeared.
4. The main point of the passage is to challenge this common belief and point out that it was not as amazing as is often asserted.
5. The passage never even mentions that the Aztec had myopic vision let alone makes this the main focus.
22. (1) Option (1) is correct
 In order to see the sequential ordering, break down the logical flow of the passage.
 1st Paragraph: Introduce something that looks very impressive on the surface and ask how it happened.
 2nd Paragraph: Offer several factors that help explain what seemed so impressive and unbelievable.
 3rd Paragraph: Provide several ways that the seemingly unbelievable was not inevitable.
 4th Paragraph: Continue with paragraph 3. Conclude by noting that the seemingly unbelievable and unexplainable was both explainable and not inevitable.

To summarize the sequential organization:

Introduce an enigma ("how did a small group of foreign fighters manage to topple one of the world's strongest, wealthiest, and most successful military empires?")

Explain reasons for the enigma (2nd paragraph)

Discuss the inevitability of the enigma (3rd and 4th paragraphs)

1. This matches the sequential order explained above.

2. The third and fourth paragraphs are not offering a solution to a problem but rather discussing the inevitability of an outcome.

3. The third and fourth paragraphs are not providing an alternative explanation for the mystery but rather discussing the inevitability of the mystery.

4. The third and fourth paragraphs are not providing an alternative answer to the question but rather discussing the inevitability of the mystery.

5. The second paragraph does not discuss the likelihood of the problem but rather explains the sources of the problem (i.e., the sources for the seemingly incredible victory of Cortes). The passage makes no mention of the consequences of the invasion, its success, or its seemingly impressive status etc.

23. (1) The author never mentions that the Aztecs had a view toward an unconventional military conflict with the Spanish. The topic is mentioned only as the author notes that the Aztecs should have pursued this type of a confrontation with the Spanish. Further, when the author did mention unconventional combat, he prefaced it with the statement: "Motecuhzoma's forces should have thought outside the box..." Based upon these facts, our best inference is that the Aztecs did not ever consider an unconventional military confrontation with Cortes.

1. This seems to be implied in the author's suggestion that "Motecuhzoma's forces should have thought outside the box..."

2. The passage never mentions nor implies that the Aztecs considered an unconventional military confrontation with the Spanish.

3. The passage never mentions nor implies that the Aztecs considered an unconventional military confrontation with the Spanish.

4. The passage never mentions nor implies that the Aztecs were certain they could achieve victory in a traditional means.

5. The passage never mentions nor implies that the Aztecs considered an unconventional military confrontation, let alone how it would be influenced by the geography of Tenochtitlan.

24. (2) 1. The passage mentions this as a source of success: "the Spanish possessed superior military equipment in the form of European cannons, guns, and crossbows"
2. Although the passage mentions that Cortes' army was small, it implies that this as a weakness. The passage never states that the military was nimble nor does it mention this as a source of success.
3. The passage mentions this as a source of success: "In one account of a battle, it is recorded that at least 200,000 natives fought with Cortes."
4. The passage mentions this as a source of success: "animosity toward the Aztecs among rival groups"
5. The passage mentions this as a source of success: "Spanish cannons quickly defeated large Aztec walls"

25. (4) The relevant portion of the passage is: "Despite the Spanish advantages, the Aztecs probably could have succeeded in defending their capital city of Tenochtitlan"

1. This does not match with the passage: "the Aztecs probably could have succeeded in defending their capital"

2. This does not match with the passage: "the Aztecs probably could have succeeded in defending their capital"

3. This does not match with the passage: "the Aztecs probably could have succeeded in defending their capital"

4. This does match with the passage: "the Aztecs probably could have succeeded in defending their capital"

5. This does not match with the passage: "the Aztecs probably could have succeeded in defending their capital".

26. (1) Option (1) is correct

The relevant portion of the passage is: "Spanish exploited animosity toward the Aztecs"

1. This matches the description of the passage.

2. The passage never mentions that that Aztec fought a non-traditional military campaign.

3. The question refers to the "regional" Aztec influence and the passage never states or implies that the Aztec military was outdated when compared to regional enemies.

4. The passage implies that the Aztecs lacked adequate alliances.

5. The passage states that the Aztecs had a large military force (although we do not know whether it was larger than other regional players; nonetheless, the passage does not discuss the Aztec military size and speed relative to regional enemies).

27. (4) Option (4) is correct

The author begins with a problem and spends the remainder of the passage analyzing the causes of the problem (2nd paragraph) and the inevitability of the problem (3rd and 4th paragraph).

1. The author expresses virtually no emotion in the passage.

2. The author expresses virtually no emotion in the passage.

3. The author is analyzing a historical issue and is not expressing personal emotions such as optimism or pessimism.

4. This captures the author's tone as the author analyzes an enigma by explaining it and discussing the extent of its inevitability.

5. The author is addressing history from an objective and outside view, not looking inward. The author never mentions himself.

28. (2) Rogue means a dishonest or unprincipled. Hence it has same meaning as reprobate.

Solace means comfort or consolation in a time of great distress or sadness.

Solicit means ask for or try to obtain (something) from someone.

Intrigue means arouse the curiosity or interest of, fascinate.

Enthrall means capture the fascinated attention of.

29. (3) Animosity means strong hostility. Hence it has same meaning as antipathy.

Beckon means appear attractive or inviting.

Inveigle means persuade (someone) to do something by means of deception or flattery.

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30.(5) Consent means permission for something to happen or agreement to do something. Hence it has opposite meaning as dissent.

Amuse means provide interesting and enjoyable occupation for (someone), entertain.

Instigate means bring about or initiate (an action or event).

31. (3) $? = 25\% \times 640 + 45\% \text{ of } 360$
 $= 160 + 162 = 322$

32. (2) $\frac{1550}{25} - 18 + \sqrt{7} = 65$

$62 - 18 + \sqrt{7} = 65$

$44 + \sqrt{7} = 65$

$\sqrt{7} = 21$

$? = 441$

33. (5) $? = 400 - 145 + 30 \times 12$
 $= 255 + 360 = 615$

34. (2) $12^2 + \frac{9600}{12} + ? = 35^2$

$? = 1225 - 144 - 800$

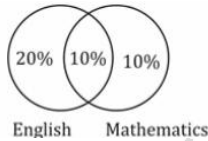
$? = 281$

35. (2) $(3)^? = \frac{729}{81} \times \frac{27}{81}$

$= 3$

$? = 1$

36. (3) Failed candidates in English = $(100-70)=30\%$
 Failed candidates in Mathematics = $(100-80)=20\%$



Venn diagram of failed students
 Percentage of passed students in both subjects = $100 - (20+10+10)=60\%$

According to the question
 60% of students = 144

Total students (100%) = $\frac{144}{60} \times 100 = 240$

37. (1) Let CP of the article = Rs. 100
 According to question,

100 (CP) $\xrightarrow{10\% \text{ profit}}$ 110 (SP)

Now CP becomes = 110

110 (CP) $\xrightarrow{10\% \text{ loss}}$ 99 (SP)

$\therefore \text{loss} = \text{CP} - \text{SP}$

$= 110 - 99 = 11$

Loss% = $\frac{11}{100} \times 100 = 11\%$

38. (2) MP of the item
 $= 3402 \times \frac{100}{108} \times \frac{100}{90} = \text{Rs. } 3500$

39. (1) Total items of first 3 months = $4000 \times 3 = 12000$
 Total items of 12 months
 $= 4375 \times 12 = 52500$

Average of last 9 months
 $= \frac{52500 - 12000}{9} = \frac{40500}{9} = 4500$

40. (4) Desired ratio

$\frac{3}{4} + \frac{5}{7} = \frac{21+20}{28}$

$= \frac{41}{28}$

$\frac{1}{4} + \frac{2}{7} = \frac{7+8}{28}$

$= \frac{15}{28}$

41. (3) $\frac{960}{-240} \times \frac{720}{-120} \times \frac{600}{-60} \times \frac{540}{-30} \times \frac{510}{-15} \times \frac{495}{-15}$

42. (5) $\frac{5}{\times 1+1^2} \times \frac{6}{\times 2+2^2} \times \frac{16}{\times 3+3^2} \times \frac{57}{\times 4+4^2} \times \frac{244}{\times 5+5^2} = 1245$

43. (5) $\frac{107}{+1^3} \times \frac{108}{-2^3} \times \frac{100}{+3^3} \times \frac{127}{-4^3} \times \frac{63}{+5^3} = 188$

44. (2) $\frac{32}{\times 0.5} \times \frac{16}{\times 1} \times \frac{16}{\times 1.5} \times \frac{24}{\times 2} \times \frac{48}{\times 2.5} = 120$

45. (4) $\frac{12}{+(2 \times 3)} \times \frac{18}{+(3 \times 4)} \times \frac{30}{+(4 \times 5)} \times \frac{50}{+(5 \times 6)} \times \frac{80}{+(6 \times 7)} = 122$

46. (2) Marks scored by Yogesh in KOM and TOM together
 $= (65 + 75)\% \times 200$
 $= 140\% \times 200 = 280$

Marks scored by Pratap in Mechanics & Machine design together = $(69 + 63)\% \times 200$

$= 132 \times 2 = 264$

Required difference = $280 - 264 = 16$

Alternate,

Required difference = $(65 + 75 - 69 - 63)\% \times 200$
 $= 8\% \times 200 = 16$

47. (3) Total marks scored in Maths = $(65 + 76 + 69)\%$
 $= 210\%$

Total marks scored in Machine design = $(89 + 63 + 88)\%$
 $= 240\%$

Required% = $\frac{240-210}{240} \times 100 = \frac{30}{240} \times 100 = 12.5\%$

48. (5) Average Marks scored by Yogesh in percentage
 $= \frac{[65 + 95 + 89 + 65 + 75]\%}{5}$
 $= \frac{389}{5}\% = 77.8\%$

Average Marks scored by Pratap in four subject except TOM
 $= \frac{(76 + 69 + 63 + 72)}{4} = \frac{280}{4}$
 $= 70\%$

Required difference = $(77.8 - 70)\% \times 200$
 $= \frac{7.8}{100} \times 200 = 15.6$

49. (4) Average marks scored by Pratap in Maths & TOM together
 $= \frac{(76 + 84)\%}{2} \times 200$
 $= 80\% \times 200 = 160$

Average marks scored by Ranjan in Maths, KOM & TOM all together
 $= \frac{(69 + 51 + 72)\%}{3} \times 200$
 $= \frac{192}{3} \times 2 = 128$

Required difference = $160 - 128$
 $= 32$

50. (4) Pratap's total marks
 $= \frac{(76 + 69 + 63 + 72 + 84)}{100} \times 200$
 $= 728$

Ranjan's total marks = $\frac{(69+68+88+51+72)}{100} \times 200$
 $= 696$

Required difference = $728 - 696 = 32$

Alternate

Required difference

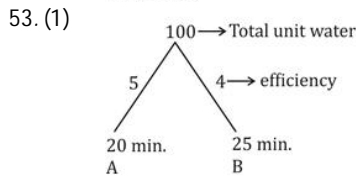
$= [(76 + 69 + 63 + 72 + 84) - (69 + 68 + 88 + 51 + 72)] \times \frac{200}{100}$

$= [364 - 348] \times 2$

$= 16 \times 2 = 32$

51. (3) Total interest rate for
 $x = 7.5 \times 4 = 30\%$
 Total interest rate for
 $y = 7.5 \times 5 = 37.5\%$
 Difference in rates = $(37.5 - 30)\%$
 $= 7.5\%$
 According to the question,
 7.5% of sum = 150
 $1\% \text{ of sum} = \frac{150}{7.5}$
 Individual sum
 $= \frac{150}{7.5} \times 100 = \text{Rs. } 2000$
 Hence Required sum = Rs. 2000

52. (2) Let total no. of worker is 'N'
 According to question
 $\frac{N \times 100}{\text{days}} = \frac{(N - 10) \times 110}{\text{days}}$
 $\frac{1 \text{ work}}{100N} = \frac{1 \text{ work}}{110(N - 10)}$
 $100N = 110N - 1100$
 $10N = 1100$
 $\Rightarrow N = 110$



After '5' min the water fill by A + B
 $5 \times 9 = 45$ unit water
 Then remaining water unit
 $= 100 - 45 = 55$
 This remaining unit water filled by A
 $= \frac{55}{5} = 11$ minutes

54. (2) Let the length of smaller line segment = x cm
 The length of larger line segment = $(x + 2)$ cm
 According to question,
 $(x + 2)^2 - x^2 = 32$
 $x^2 + 4x + 4 - x^2 = 32$
 $x = \frac{28}{4} = 7$
 The required length
 $= x + 2$
 $= 7 + 2 = 9$ cm

55. (3) Total distance covered by man in (1 : 30 pm - 10 : 00 am)
 $3\frac{1}{2}$ hour = at a speed of 12 km/hr
 $= 12 \times 3\frac{1}{2} = 42$ km. (Total distance)
 Time taken by his elder brother to catch him = $3\frac{1}{2}$ hour - 1 hour 15 min.
 \therefore Brother's time = 3 hr 30 min - 1 hr 15 min = 2 hr 15 min
 $= 2\frac{15}{60} = 2\frac{1}{4} = \frac{9}{4}$ hour
 \Rightarrow Brother's speed
 $= \frac{42}{\frac{9}{4}} \left\{ \text{speed} = \frac{\text{distance}}{\text{time}} \right\}$
 $= 18\frac{2}{3}$ km/h

56. (3) $?^2 = \frac{512 \times 2916}{81 \times 72}$
 $?^2 = 256$

57. (2) $\frac{9}{2} + \frac{11}{3} + \frac{17}{6} = ? + \frac{12}{5} + \frac{21}{10}$
 $4 + \frac{1}{2} + 3 + \frac{2}{3} + 2 + \frac{5}{6} = ? + 2 + \frac{2}{5} + 2 + \frac{1}{10}$
 $9 + \frac{3+4+5}{6} = ? + 4 + \frac{4+1}{10}$
 $9 + 2 = ? + 4 + \frac{1}{2}$
 $11 - 4 - \frac{1}{2} = ?$
 $\Rightarrow ? = 6\frac{1}{2}$

58. (5) $5^{7-2} = \frac{5^5}{25^3} \times \frac{125^2}{625}$
 $5^{7-2} = \frac{5^5}{(5^2)^3} \times \frac{(5^3)^2}{5^4} = \frac{5^5 \times 5^6}{5^6 \times 5^4}$
 $5^{7-2} = 5^1$
 $? - 2 = 1$
 $? = 3$

59. (2) $? \times \frac{65}{72} = \frac{195 \times 352}{195 \times 352 \times 72}$
 $? = \frac{192 \times 65}{192 \times 65}$
 $? = 396$

60. (3) $\sqrt[3]{256} \times (1728)^{\frac{1}{3}} = ? \times (4096)^{\frac{1}{4}}$
 $16 \times (12^3)^{\frac{1}{3}} = ? \times (8^4)^{\frac{1}{4}}$
 $? = \frac{16 \times 12}{8} = 24$

61. (1) $? + 570.41 = 981.81$
 $? = 981.81 - 570.41$
 $? = 411.4$

62. (4) $\frac{12036}{\sqrt{2304}} - ? = 225$
 $\frac{12036}{48} - ? = 225$
 $250.75 - 225 = ?$
 $? = 25.75$

63. (2) $? - 0.75 = \frac{140.4 \times 100}{48 \times 78}$
 $? = 3.75 + 0.75$
 $= 4.5$

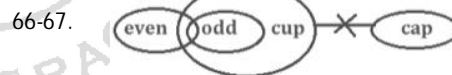
64. (2) $\sqrt{184 + 72} + \frac{2}{5} \text{ of } ? = 42$

$\sqrt{256} + \frac{2}{5} \text{ of } ? = 42$

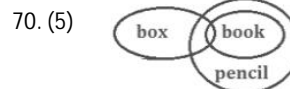
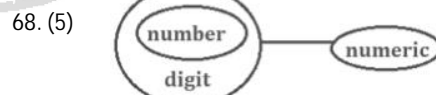
$\frac{2}{5} \text{ of } ? = 42 - 16$

$? = \frac{26 \times 5}{2} = 65$

65. (1) $117.6 + 194.4 = ? \times \frac{60}{100}$
 $\frac{100}{60} \times (312) = ?$
 $? = 520$



66. (2) 67. (5)



71-75.

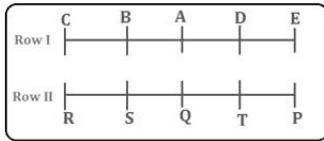
Days	Person	Places
Monday	E	Forrest
Tuesday	B	lake
Wednesday	F	theater
Thursday	D/G	zoo
Friday	A	park
Saturday	G/D	carnival
Sunday	C	circus

71. (2)
 73. (5)

72. (1)
 74. (4)

75. (2)

76-80.



76. (3)

77. (5)

78. (4)

79. (5)

80. (2)

81-85.

Person	Mall	Colour
W	GIP	Violet
X	DLF	Green
Y	SRS	Blue
Z	GIP	Red
M	DLF	Purple
N	GIP	Black
O	SRS	White

81. (2)

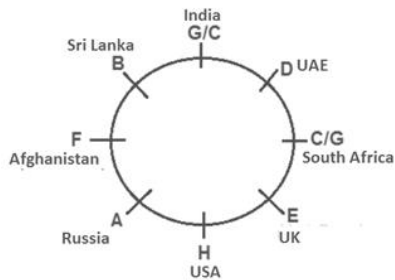
82. (3)

83. (4)

84. (3)

85. (3)

86-90.



86. (4)

87. (5)

88. (3)

89. (3)

90. (2)

91. (4)

I. $K = M < A \geq L$ (False)

II. $P < L \leq A > M = K \geq E$ (False)

92. (1)

I. $P > R = A > D$ (True)

II. $D < A < Y$ (True)

93. (2)

I. $P > R = A < Y$ (False)

II. $R = A > D$ (False)

94. (5)

I. $C \geq R > A = S$ (True)

II. $P > R \leq C$ (False)

95. (2)

I. $H \geq S = A < R$ (False)

II. $R < P < Q$ (True)

96. (5)

474

97. (3)

$(5+8+1)= 14$

98. (2)

$8*5=40$

99. (3)

Two

100. (3)

Two

