INSTRUCTIONS TO CANDIDATES

1. This Booklet contains 200 questions in four sections as follows:
   - Part I: General Intelligence (50 Questions)
   - Part II: Quantitative Aptitude (50 Questions)
   - Part III: General Awareness (50 Questions)
   - Part IV: English Language (50 Questions)

2. The questions are not numbered in this Booklet. The English version of the booklet will be provided as a separate booklet.

3. Questions are compulsory and carry equal marks.

4. The paper carries negative marking. 0.25 marks will be deducted for each wrong answer.

5. The Answer Sheet will be prepared separately by the Invigilator. Candidates should write their details of Name, Roll Number, Test Form Number and Exam Centre on the ANSWER SHEET correctly. They should also sign the answer sheet.

6. The test will be conducted for 2 hours. The marking for each question is indicated in the paper.

7. The answer sheet will be evaluated using Optical Mark Reader. The candidate’s signature, Roll Number, and Examinations Centre will be checked to ensure that the candidate has followed the instructions.

8. In case of any other questions, the candidate should refer to the examination handbook.

9. Failure to comply with any of the above instructions will render a candidate liable to such action as may be deemed fit.

10. The manner in which different questions are to be answered has been explained at the back of this Booklet. It should be read carefully before answering.

11. Answers should be written as quickly and as carefully as you can. Some questions may be difficult, and others easy. Do not spend too much time on any question.

12. No rough work is to be done on the Answer Sheet. Blank spaces provided at various places in the question booklet may be used for rough work.

13. "Mobile phones and wireless communication devices are not allowed in the examination hall/room. Candidates are advised not to keep mobile phones or any other wireless communication devices with them even in switched off mode, in their own interest. Failing to comply with this provision will be considered as unfair means in the examination and action will be taken against them including cancellation of their candidature."
1) If + stands for ×, - stands for ÷, × stands for +, and ÷ stands for x, then what is the value of

\[(30 ÷ 20) - 5(7 + 3) ÷ 25 = ?\]

Options: A) 49, 45, 46 B) 40, 46, 48 C) 45, 40, 45 D) 40, 46, 48

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2) **Question Nos. 2 to 3**

**Directions / निर्देश:** From the given alternative words, select the word which cannot be formed using the letters of the given word.

निर्णयस्वरूप विकल्पों में से कह शब्द चुनिए जो दिए गए शब्द के अक्षरों का प्रयोग करके नहीं बनाया जा सकता?

2) **POLYTHEISM**

A) THESIS B) HOTELS C) PISTOL D) SMITH

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3) **Question Nos. 4 to 7**

**Directions / निर्देश:** From the given alternatives, select the missing word.

निर्णयस्वरूप विकल्पों में से कह शब्द चुनिए जो दिए गए शब्द के अक्षरों का प्रयोग करके नहीं बनाया जा सकता?

4) If + means ÷, ÷ means ×, × means +, then:

\[12 ÷ 8 ÷ 6 ÷ 4 + 6 + 3 = ?\]

Options: A) 92 B) -33 C) -112 D) +118

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5) **Question Nos. 5 to 7**

**Directions / निर्देश:** Select the missing number from the given responses.

निर्णयस्वरूप विकल्पों में से तुच्छ अंक चुनिए?

6) **Question Nos. 8 to 16**

**Directions / निर्देश:** Find the odd word/letter/number from the given alternatives.

निर्णयस्वरूप विकल्पों में से विभिन्न शब्द अलग संख्या चुनिए?

8) A) 163 B) 131 C) 137 D) 166

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Options: A) MCQ B) BDF C) XYZ D) RTV

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19) A) e B) A C) C
Part - I: General Intelligence

11) A) Glucose / ग्लूकोज़   B) Chlorophyll / क्लोरोफिल्ल
    C) Nitrogen / नाइट्रोजन   D) Photosynthesis / प्रकाशसंशस्त्र

12) A) 126   B) 215   C) 28   D) 65

13) A) 51330   B) 2610   C) 41230   D) 3915

14) A) ROCB   B) HXY   C) LMVW   D) NODE

15) A) EHL   B) CGFI   C) GKH   D) IMNR

16) A) Arunachal Pradesh / अरुणाचल प्रदेश   B) Mahasarakshetram / महाराष्ट्र शहीद
    C) Gujarat / गुजरात   D) Karnataka / कर्नाटक

22) Jain and his father has an age difference of 35 years now. After 5 years, the sum of their ages is 125. What will be the age of Jain and his father after 12 years from now?

23) Which one set of letters when sequentially placed at the gaps in the given letter series will complete it?

Question Nos. 17 to 21

17. 30, 3, 79, 114
   A) 45   B) 49   C) 51   D) 63

18. 1, 48, 4, 24, 7, 2, 16, 2
   A) 2   B) 12   C) 8   D) 18

19. T, R, P, N, 7
   A) V   B) E   C) L   D) M

20. 4, 2, 19, 59, 79, 139
   A) 12   B) 10   C) 8   D) 9

   A) O   B) 5   C) Q   D) P

24) 1) Extortioner 2) Extemporise 3) Extinction 4) Extirpation 5) Extinguisher

25) 1) Laundrate 2) Laughter 3) Laundry 4) Launch

Q. 25: 1) Laundrate 2) Laughter 3) Laundry 4) Launch
26. 1) Complicate  2) Complicity  3) Complication  4) Compliant
A) 4, 2, 3, 1  B) 4, 2, 1, 3
C) 4, 1, 3, 2  D) 2, 1, 3, 4

27. Which of the following diagrams best represents cousins, nieces and nephews?

A)  
B)  
C)  
D)  

28. Which answer figure will complete the pattern in the question figure?

A)  
B)  
C)  
D)  

Question Nos. 29 to 37
श्रेणी 29 से 37 तक
Directions / निर्देश: Select the related word / letters / number from the given alternatives.

29. RORRIM : MIRROR :: TNESEP : ?
A) PRESENT  B) TNERESP  C) STENERPE  D) CRESENT

30. 12593 : 35291
   29684 : 46982
   72936 : ?
A) 69237  B) 62793  C) 62973  D) 92637

31. 6 : 18 :: 4 : ?
A) 15  B) 2  C) 6  D) 8

32. Mathematics : Logic :: Science : ?
A) Laboratory / प्रयोगशाला  B) Scientist / वैज्ञानिक
C) Experiments / परीक्षण  D) Facts / तथ्य

33. EAC : KGI :: HDF : ?
A) PIN  B) NIL  C) KJK  D) FBD

34. Window : Pane :: Book : ?
A) Novel / उपन्यास  B) Pages / पृष्ठ  C) Cover / घाँस  D) Glass / शीशा

35. Fan : Wings :: Wheel : ?
A) Air / वायू  B) Spokes / आरे  C) Cars / कार  D) Round / गोल

36. 4845 : 435 :: 5964 : ?
A) 96²  B) 59²  C) 54²  D) 94²

37. BUT : TUB :: NET : ?
A) LET  B) PET  C) TPN  D) TWO

38. After walking 200 mtrs, I turned right and covered a distance of 100 mtrs, then turned left and covered a distance of 100 mtrs. In the end I am facing towards North. From which direction did I start my journey?
200 मीटर चलने के बाद मैं दाएं ओर और 100 मीटर की दूसरी तरफ की, तब बाएं ओर और 300 मीटर की तीसरी तरफ की ओर में, मेरा नज़र उत्तर की ओर है। मैंने किस दिशा से अपनी यात्रा शुरू की?
A) East / पूर्व  B) South / दक्षिण  C) North / उत्तर  D) West / पश्चिम
39) A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'B' can be represented by 00, 23 etc., and 'P' can be represented by 56, 65 etc. Similarly, you have to identify the set for the word 'DEBRIS'.

* A word is given. Select the correct option from the given alternatives.

![Matrix](image)

A) B2, R5, I3, S1, E4
B) B2, R5, I3, S1, E4
C) B2, R5, I3, S1, E4
D) B2, R5, I3, S1, E4

40) If 'MOTHER' is coded as 'TOMREH', what should be the code for the word 'NEPHEW'?

* A word is given. Select the correct option from the given alternatives.

A) ENWPHE
B) NPEHEW
C) WEHENP
D) FENWHE

41) Rohita started from a point. She walked 3km to the North, then turned East and walked 4km, then turned West and walked 3km, and then turned West and walked 3km and stopped. In which direction is Rohita from her starting point?

* A question is given. Select the correct option from the given alternatives.

A) East
B) West
C) North
D) South

42) If a paper is folded in a particular manner and punched is made, when, unfolded this paper appears as given below in the question figure. Find out the manner in which the paper is folded and the punch is made from the answer figures given.

* A question is given. Select the correct option from the given alternatives.

A) [image]
B) [image]
C) [image]
D) [image]
43) In the question one statement is given, followed by two conclusion/assumption, I and II. You have to consider the conclusion to be true even if they seem to be in variance from commonly known facts. You have to decide which of the given conclusion/assumptions, if any, follows from the given statements.

Statement: An advertisement in the paper says "Consume pure organic honey of Company A.'

Conclusion: (a) Artificial honey can be prepared.
(b) Company B should incorporate a new policy.
(c) People don't mind paying more for pure organically prepared honey.

A) Assumption I is implicit.
B) Both I and II are implicit.
C) Neither I nor II is implicit.
D) Assumption II is implicit.

44) Adam who is 20 years old is 4 times as old as Mary. What will be Mary's age when Adam is twice as old as her?

(a) 17 years/yr
(b) 30 years/yr
(c) 35 years/yr
(d) 15 years/yr

45) In a certain code, 0,1,2,3,4,5,6,7,8,9 is coded as a,b,c,...,j then find $b + f x d$.

A) $d$
B) $b$
C) $e$
D) $b$
49) In the question, one statement is given. You have to answer considering the statement to be true, even if it seems to be at variance from commonly known facts.

प्रश्न में एक कथन दिया गया है जिसके अन्तः आपको दिये गए कथन/कथनों को सत्य मानकर यहाँ कह/वे जात दिखाये जिन्हें प्रतीत होता होता है, उसरर देना है।

**Statement / कथन:**
Students go to school in uniforms.

A) Uniforms are compulsory.
B) Students look smart in uniforms.
C) Uniforms are easily available.
D) Uniforms create a sense of belongingness.

60) If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?

यदि एक दर्शक को AB कर पर रखा जाये तो दी गई उत्तर आकृतियों में से कौन-सी आकृति प्रश्न आकृति की सही प्रतिकृतिम होगी?

![Diagram](image-url)
51. I was obliged to leave.
A) Circumstances obliged me to leave.
B) Circumstances have obliged me to leave.
C) Circumstances was obliged me to leave.
D) Circumstances will oblige me to leave.

52. Close the door.
A) Let the door is closed.
B) Let the door be closed.
C) Let the door closed.
D) Let the door be being closed.

53. It was a Friday morning and
P. the lieutenant scanned the horizon
Q. just as the desert haze
R. with his binoculars
S. was clearing
6. and focused on many enemy tanks.
A) RPSQ
B) PRSQ
C) QSFR
D) SPQR

54. Earth is the home
P. to our future
Q. we all share
R. generations of their
S. and would pass on
6. legacy.
A) QPRS
B) QSPR
C) PRQS
D) SPQR

55. A man
P. with yellow, red, green
Q. stood holding
R. balloons
S. a pole
6. flying from it.
A) PRQS
B) QSPR
C) QSFR
D) QRSP

56. Margaret Noble
P. became a disciple
Q. of Swami Vivekananda
R. a remarkable Irish lady
S. and dedicated her life
6. to the service of the Indian people.
A) RPQS
B) SRQP
C) SQFR
D) PQRS

57. I have no office work.
A) experience on
B) experience of
C) experience to
D) experience in

58. Solar panels are used to Satellites.
A) powers
B) powerful
C) power
D) powerless

59. His words were for the occasion.
A) suit
B) appropriately
C) suitably
D) appropriate

60. Ten dollars too much to pay.
A) were
B) could
C) are
D) is

61. In the following passage some of the words have been left out. Read the passage carefully and choose the correct answer to each question out of the four alternatives and fill in the blanks.
Squirrels are animals in the world. They have the for rainy days. Autumn can be very entertaining for them. That is the time the great harvest collection for their winter store. You can here and there, collecting nuts of all sorts. Walnuts, beechnuts, chestnuts, dried berries. They are not fussy. Relentlessly, they run from their storage point, usually a tree hollow, to the vast amount of wild nuts to be found in the forest. These beautiful animals are house-proud. They take great pains to ensure that and warm enough to tide them over the harsh winter. You busily collecting soft pieces of bark, wood and leaves to line their nests. After all their and, when the first, cold hard frost arrives, they inside their nests for the duration/rest of the cold spell. There, it is warm enough to bring out their stored food. Ah but then, they are the most forgetful little animals, and it is not unusual to see squirrels X their hoards.
Question Nos. 71 to 74
Directions: A part of the sentence is underlined. Below are given alternatives to the underlined part which may improve the sentence. Choose the correct alternative. In case no improvement is needed choose "No Improvement".

71) A greedy man always ___ after money.
A) No Improvement   B) runs after  
C) wanted           D) greeds after

72) It is not difficult to forgive someone who ___ sorry.
A) is apologizing     B) No Improvement  
C) apologizes         D) is asking sorry

73) Ours is a _____ family.
A) join               B) joint          
C) jointed            D) No Improvement

74) Be quick otherwise you would miss the train.
A) otherwise you will  B) No Improvement  
C) otherwise you could have D) otherwise you will have

Question Nos. 75 to 78
Directions: Four alternatives are given for the Idiom / Phrase underlined. Choose the alternative which best expresses the meaning of the Idiom / Phrase and mark it in the Answer Sheet.

75) Take the bull by the horns is
A) to be sensitive   B) to win the battle  
C) to face a difficulty courageously D) to be helpful

76) Sail in the same boat.
A) be in a different situation  B) suspect something wrong  
C) be in the same situation   D) suspect something unclear

77) A false friend never hesitates to ___ crocodile tears.
A) to pretend to be sympathetic  B) to feel disappointed  
C) to move from one place to another D) to show false happiness

78) to be in a quandary.
A) to be in a confusing situation  B) to be in an uncomfortable position  
C) to be in a commanding position D) to be on the alert
**Part II: English Language**

**Question Nos. 79 to 82**

Directions: Some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error and blacken the circle corresponding to the appropriate correction option. If a sentence is free from error, blacken the circle corresponding to “No Error” option in the Answer Sheet.

79) She made the child to study hard.
   A) She made  B) No Error  C) to study hard  D) the child

80) The door should be keep closed.
   A) The door  B) No Error  C) keep closed  D) should be

81) The promise was broken by him.
   A) was broken  B) No Error  C) by him  D) The promise

82) Rakesh founds the newspaper very dull.
   A) the newspaper  B) very dull  C) Rakesh founds  D) No Error

**Question Nos. 83 to 86**

Directions: Choose the word opposite in meaning to the given word and mark it in the Answer Sheet.

83) Traitor
   A) patriot  B) member  C) officer  D) migrant

84) Detest
   A) adore  B) withhold  C) assist  D) injure

85) Ascend
   A) climb  B) descend  C) soar  D) rise

86) Repel
   A) annoy  B) drug  C) attract  D) coax

87) A legal agreement that allows someone to use a building or land for a period of time, usually in return for rent.
   A) Assurance  B) Deal  C) Bond  D) Lease

88) A person who helps another to commit a crime.
   A) Colleague  B) Accomplice  C) Assistant  D) Supporter

89) A person who worships only one God.
   A) Polytheist  B) Theist  C) Monarchist  D) Polytheist

90) The act of killing one's own brother or sister.
   A) Suiicde  B) Fratricide  C) Homicide  D) Patricide

**Question Nos. 91 to 94**

Directions: Four words are given in each question, out of which only one word is correctly spelled. Find the correctly spelled word and mark your answer in the Answer Sheet.

91) A) Jewellery  B) Jewellry  C) Jewelry  D) Jewely

92) A) Obeydient  B) Obiedient  C) Obedient  D) Obedient

93) A) Diffuse  B) Dilfuse  C) Dilfuse  D) Diffuse

94) A) Patriotism  B) Patriotism  C) Patroituism  D) Patriotism

**Question Nos. 95 to 99**

Directions: Out of the four alternatives, choose the one which best expresses the meaning of the given word and mark it in the Answer Sheet.

95) Result
   A) data  B) decision  C) cause  D) outcome
Part - II: English Language

96) horse
   A) awful       B) aura       C) awesome     D) awry

97) Invincible
   A) yielding    B) unassailable C) fallible    D) vulnerable

98) Crusade
   A) flatten     B) angry      C) campaign   D) critical

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Question Nos. 99 to 100

Directions: A sentence has been given in Direct/Indirect. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct and mark your answer in the Answer Sheet.

99) The men said, "We are going to fly kites."
   A) The men said that they are going to fly kites.
   B) The men said that they were going to fly kites.
   C) The men said that we were going to fly kites.
   D) The men said that we are going to fly kites.

100) Kumar says, "It doesn't rain in January."
    A) Kumar said that it doesn't rain in January.
    B) Kumar said that it didn't rain in January.
    C) Kumar says that it doesn't rain in January.
    D) Kumar says that it didn't rain in January.
101) 150 workers were engaged to finish a piece of work in a certain number of days. Four workers dropped on the second day, four more workers dropped on third day and so on. It takes 8 more days to finish the work now. Find the number of days in which the work was completed.

A) 28  B) 30  C) 24  D) 25

102) A mixture contains milk and water in the ratio 5 : 1. On adding 5 litres of water, the ratio of milk and water becomes 3 : 2. The quantity of milk in the mixture is:

A) 25 litres  B) 16 litres  C) 22.5 litres  D) 32.5 litres

103) The average of all the odd integers between 2 and 22 is:

A) 11  B) 14  C) 13  D) 12

104) The least number that should be subtracted from the number 32146 to make it a perfect square is:

A) 205  B) 405  C) 105  D) 305

105) The diameter of a 120 cm long roller is 84 cm. It takes 500 complete revolutions of the roller to level a ground. The cost of levelling the ground at ₹1.50 per sqm is:

A) ₹ 2376  B) ₹ 6000  C) ₹ 3762  D) ₹ 5750

106) Mr. Datta desired to deposit his retirement benefit of ₹3 lacs partly to a post office and partly to a bank at 10% and 6% interests respectively. If his monthly interest income was ₹2000, then the difference of his deposits in the post office and in the bank was:

A) Nil / शून्य  B) ₹ 1,00,000  C) ₹ 50,000  D) ₹ 40,000

107) Volume of a right circular cylinder of height 21 cm and base radius 5 cm is:

A) 1255 cm³  B) 1650 cm³  C) 1175 cm³  D) 1050 cm³

108) A right triangle with sides 9 cm, 12 cm and 15 cm is rotated about the side of 9 cm to form a cone. The volume of the cone so formed is:

A) 324 π cm³  B) 330 π cm³  C) 334 π cm³  D) 327 π cm³
109) The difference between the production of company Z in 1998 and company Y in 1996 is:
...
118) If \(x^2 + y^2 = 4\) and \(x^2 + y^2 = 14\) and \(x > y\). Then the correct value of \(x\) and \(y\) is:

\[
\text{A) } 3.1 \quad \text{B) } 2 \sqrt{2}, 2 \sqrt{3} \quad \text{C) } 2 + \sqrt{5}, 2 - \sqrt{5} \quad \text{D) } 2 + \sqrt{3}, 2 \sqrt{2}
\]

119) If \(\cos \Theta + \sin \Theta = m\) and \(\sec \Theta + \csc \Theta = n\) then the value of \(m(n^2 - 1)\) is equal to:

\[
\text{A) } 2n \quad \text{B) } 4n \quad \text{C) } 2m \quad \text{D) } 2n
\]

120) The value of \(\frac{1}{1 + \sqrt{2} + \sqrt{3}} + \frac{1}{1 - \sqrt{2} + \sqrt{3}}\) is:

\[
\text{A) } 1 \quad \text{B) } 4(\sqrt{3} + \sqrt{2}) \quad \text{C) } \sqrt{3} \quad \text{D) } \sqrt{2}
\]

121) If the radius of a sphere is increased by 2 cm, then its surface area increases by 352 cm\(^2\). The radius of the sphere initially was:

\[
\text{A) } 3 \text{ cm} \quad \text{B) } 4 \text{ cm} \quad \text{C) } 6 \text{ cm} \quad \text{D) } 5 \text{ cm}
\]

122) The ratio of two numbers is 3 : 4 and their H.C.F is 15. Then the sum of the two numbers is:

\[
\text{A) } 105 \quad \text{B) } 120 \quad \text{C) } 115 \quad \text{D) } 110
\]

123) A shopkeeper fixes the price of an article at 30% higher than its actual cost. If he sells it at 10% discount on marked price then, the profit is:

\[
\text{A) } 18\% \quad \text{B) } 17\% \quad \text{C) } 19\% \quad \text{D) } 20\%
\]

124) The three successive angles of a cyclic quadrilateral are in the ratio 1:3:4. Find the measure of the fourth angle?

\[
\text{A) } 30^\circ \quad \text{B) } 72^\circ \quad \text{C) } 36^\circ \quad \text{D) } 108^\circ
\]

125) If the Cost Price of 25 chairs is equal to the Selling Price of 30 chairs, then the loss % is:

\[
\text{A) } 16\frac{2}{3}\% \quad \text{B) } 25\% \quad \text{C) } 20\% \quad \text{D) } 5\%
\]

126) The liquids, X and Y are mixed in the ratio of 3:2 and the mixture is sold at \(\text{Rs}\) 11 per litre at a profit of 10%. If the liquid X costs \(\text{Rs}\) 2 more per litre than Y, the cost of X per litre is (in Rs):

\[
\text{A) } 9.50 \quad \text{B) } 10.80 \quad \text{C) } 11.75 \quad \text{D) } 11\%
\]

127) The value of the expression

\[
\sin^2 \theta + \sin^2 11^\theta + \sin^2 21^\theta + \sin^2 31^\theta + \sin^2 41^\theta + \sin^2 51^\theta + \sin^2 61^\theta + \sin^2 71^\theta + \sin^2 81^\theta \text{ is:}
\]

\[
\text{A) } 5 \quad \text{B) } \frac{5}{2} \quad \text{C) } 0 \quad \text{D) } \frac{4}{2}\]

128) The average of 8 numbers is 21. If each of the numbers is multiplied by 8, the average of the new set of numbers is:
8 संख्याओं का औसत 21 है। प्रत्येक संख्या को 8 से गुणा किए जाए तो संख्याओं के नये सेट का औसत क्या होगा?
A) 29  B) 168  C) 21  D) 8

129) If \(x(x+y+z)=20, y(x+y+z)=30, \) and \(z(x+y+z)=50,\) then the value of \(2(x+y+z)\) is:
यदि \(x(x+y+z)=20, y(x+y+z)=30,\) और \(z(x+y+z)=50,\) तो \(2(x+y+z)\) का मान क्या होगा?
A) -10  B) 15  C) 18  D) 20

130) If \(\cos A + \sin A = \sqrt{2} \cos A\) then \(\cos A - \sin A\) is equal to:
(Where \(0^\circ < A < 90^\circ\))
यदि \(\cos A + \sin A = \sqrt{2} \cos A\) तो \(\cos A - \sin A\) का मान किसके बराबर होगा?
(जहाँ \(0^\circ < A < 90^\circ\))
A) \(\sqrt{2} \sin A\)  B) \(2 \sin A\)  C) \(\sqrt{2} \sin A\)  D) \(2 \sin A\)

131) The straight line \(y=3x\) must pass through the point:
क्षेत्रीय रेखा \(y=3x\) को किस परिसर से गुजरना होगा?
A) (0,1)  B) (2,0)  C) (0,0)  D) (1,2)

132) Find out the wrong number in the sequence:
दी गई सूची में गलत संख्या कौन सी है?
40, 40, 20, 60, 200, 40, 10
A) 640  B) 2360  C) 40  D) 200

133) \(AB\) is a diameter of a circle having centre at \(O.\) \(FQ\) is a chord which does not intersect \(AB.\) Join \(AP\) and \(BQ.\) If \(\angle BAP = \angle ABQ,\) then \(ABQP\) is a:
\(O\) केंद्र वाला वृत्त का \(AB\) क्रम नहीं \(AB\) को सीखा है। \(FQ\) जीवा है जो \(AB\) को नहीं काटती। \(AP\) और \(BQ\) को मिलाएं। \(यदि \angle BAP = \angle ABQ,\) तो \(ABQP\) क्या होगा?
A) cyclic trapezium / क्षेत्रीय ट्रापेझियम  B) cyclic square / क्षेत्रीय चतुर्भुज
cyclic rectangle / क्षेत्रीय त्रिभुज  D) cyclic rhombus / क्षेत्रीय समकोणित आयत

134) Royalty on the book is less than the printing cost by:
पुस्तक पर रोयलटी, मुद्रण लागत से किसी कम है?
A) 26%  B) 31%  C) 23%  D) 33 1/3%

135) If for a certain quantity of books, the publisher has to pay \(\text{Rs} 30600\) as printing cost, then the amount of royalty cost to be paid for these books is:
यदि कुछ पुस्तकों की कुल मात्रा के लिए प्रकाशक को मुद्रण लागत के रूप में \(\text{Rs} 30600\) का पुरस्कार देना है तो इन पुस्तकों के लिए रोयलटी लागत की कितनी राशि का पुरस्कार काना होगा?
A) \(\text{Rs} 21200\)  B) \(\text{Rs} 19450\)  C) \(\text{Rs} 22950\)  D) \(\text{Rs} 26150\)
138) If 5500 copies are published and the transportation cost on them amount to ₹82500, then the selling price of the book so that the publisher can earn a profit of 25% is:

यदि 5500 पत्रिकाओं प्रकाशित की जायीं और उन पर प्रवासी लागत ₹82500 आती है, तो पुस्तक का बिक्री मूल्य क्या होना चाहिए कि प्रकाशक 25% का लाभ कमाये?

A) ₹ 175  
B) ₹ 180  
C) ₹ 187.50  
D) ₹ 191.50

139) The central angle of the sector corresponding to the expenditure incurred on Royalty is:

रॉयल्टी पर यह खर्च के अनुसार रेखा का केंद्रीय कोण क्या होगा?

A) 30°  
B) 48°  
C) 15°  
D) 24°

140) In what proportions must water be added with milk to gain 20% by selling the mixture at cost price?

मिश्रण को वालता मूल्य पर बेचने के लिए

दूध में पानी कितना अनुपात में मिलाया गया होगा?

A) 5 : 1  
B) 1 : 1  
C) 1 : 5  
D) 4 : 1

141) A train is 250 m long. If the train takes 50 seconds to cross a tree by the railway line, then the speed of the train in km/hr is:

एक रेलगाड़ी 250 मी. लंबी है; यदि वह वहाँ लाल दराज का बांध को पार करने में 50 सेकंड लेती है तो उसकी गति कितनी होती है?

A) 10  
B) 5  
C) 4  
D) 9

142) The marked price of a CD is ₹250. It is sold for ₹225. The rate of discount is:

एक टी-वी का अंकित मूल्य ₹250 है; इसे ₹225 में बेच दी जाती है उसका दर कितना है?

A) 10%  
B) 11 1/2%  
C) 25%  
D) 2.5%

143) Mohan purchased a bag with a 20% discount on the labelled price. He sold it with 40% profit on the price he bought. The percentage of profit on the labelled price is:

मोहन ने एक बैग के 20% प्रतिशत डिस्काउंट पर खरीदा जो उसे 40% लाभ पर बेच दिया. उसका अंकित मूल्य पर का प्रतिशत लाभ कितना है?

A) 24%  
B) 70%  
C) 18%  
D) 12%

144) If 5416 x 6 is a perfect square, then the digit at ° is:

यदि 5416 x 6 पूर्ण वर्ग है तो ° का अंक होगा?

A) 9  
B) 4  
C) 5  
D) 6

145) Ram Babu donated 3% of his income to a charity and deposited 12% of the rest in bank. If now he has ₹12804, then his income was:

राम बबु ने अपनी आय का 3% भर्ती की एवं बचत का 12% बैंक में जमा किया। उसकी आय कितनी थी?

A) 17460  
B) 7500  
C) 15000  
D) 14350

146) In a ABC, the internal bisectors of \( \angle B \) and \( \angle C \) meet at point O. If \( \angle A = 80^\circ \), then \( \angle BOC \) is:

AABC में, अंतर्गती द्विभाजक \( \angle B \) और \( \angle C \) विभाजित पर दिए गए हैं। यदि \( \angle A = 80^\circ \), तो \( \angle BOC \) कितना अंश का होगा?

A) 130°  
B) 120°  
C) 100°  
D) 140°
147) A motor boat covers a certain distance downstream in a river in 3 hours. It covers the same distance upstream in 3 hours and half. If the speed of the water is 1.5 km/h, then the speed of the boat in still water is:

एक ऊंट के बोट गदी में मुक्त प्रवाह में 3 घंटे में तय करता है और प्रतिकूल प्रवाह में अन्तर्गत 3 1/2 घंटे में पूरा करता है। यदि पानी की गति 1.5 किमी/घंटा है तो गदी जलप्रवाह में बोट की गति क्या होगी?

A) 17.5 km/h  
B) 19 km/h

17.5 किमी/घंटा  
19 किमी/घंटा

C) 19.5 km/h  
D) 17 km/h

19.5 किमी/घंटा  
17 किमी/घंटा

148) Let AX ⊥ BC of an equilateral triangle ABC. Then the sum of the perpendicular distances of the sides of AABC from any point inside the triangle is:

माना समबाहु त्रिभुज ABC का AX ⊥ BC, तो त्रिभुज के अंदर किसी बिंदु से AABC की भुजाओ की लंबाई के योग क्या होगा?

A) Equal to AX  
B) Equal to BC

AX के मूल्य  
BC के मूल्य

C) Greater than AX  
D) Less than AX

AX से अधिक  
AX से कम

149) The sides of a triangle are in the ratio of 7:9:12. The difference between the lengths of largest and smallest sides is 15 cm. The length of the largest side would be:

एक त्रिभुज की भुजायें 7:9:12 के अनुपात में हैं। सबसे बड़ी और सबसे छोटी भुजाओं की लंबाई के बीच अंतर 15 cm है। सबसे बड़ी भुजा की लंबाई कितनी होगी?

A) 36 cm  
B) 12 cm

36 cm  
12 cm

C) 60 cm  
D) 24 cm

150) A boy aged 12 years is left with ₹100,000 which is under a trust. The trustees invest the money at 6% per annum and pay the minor boy a sum of ₹2500, for his pocket money at the end of each year. The expenses of trust come out to be ₹500 per annum. Find the amount that will be handed over to the minor boy after he attains the age of 18 years.

एक बच्चे के लिए निधि के अंदर ₹100,000 छोड़ दिए जाते हैं। व्यक्ति राशि को 6% प्रति वर्ष पर निवेश कर देते हैं और अध्ययन लागतों को जेब चक लिक प्रति वर्ष के अंत में ₹2500 देते हैं। नीचे राशि का राशि ₹500, प्रति वर्ष ज्ञात है अध्ययन लागतों को 18 वर्ष की आयु होने पर किस प्रतिवर्षी राशि सौदी प्राप्त होगी?

A) ₹125000  
B) ₹120000

₹125000  
₹120000

C) ₹112000  
D) ₹150000

₹112000  
₹150000
151) Which of the following states is known as the traditional region for Tank Irrigation?
   A) Gujarat / गुजरात B) Tamil Nadu / तमिलनाडु C) Assam / असम D) Orissa / ଓଡ଼ିଶା

152) Origin of Life by 'Natural Selection' is a book written by:
   A) Charles Darwin / चाल्स डायरिन B) Lamark / लामार्क C) Hugo de Veris / हुगो डे वरिस D) Charles Dickens / चार्ल्स डिकिंस

153) Who is popularly known as the Grand Old Man of India?
   A) Dadabhai Naoroji / दादाबहाई नारोजी B) Madan Mohan Malaviya / मदन मोहन मालाविया C) Mahadeva Govinda Ranade / महादेव गोविंद राणडे D) Surendranath Banerjee / सुरेन्द्रनाथ बानर्जी

154) Unit of resistance is:
   A) volt / वोल्ट B) ampere / एंपर C) ohm / ओम

155) The gas liberated in the Bhopal gas tragedy was:
   A) Ethylene / एथीलिन B) Phenyl isocyanate / फेनिल इसोसियानाइट्रेट C) Methyl isocyanate / मैथियल इसोसियानाइट्रेट D) Acetylene / ऐसेटिलीन

156) Network of a series of vertical and horizontal lines constructed perpendicular to each other is known as:
   A) Latitude / अम्पीरिय बिल्ट B) Grid system / ग्रिड सिस्टम C) Longitude / लोन्गिट बिल्ट D) Geographical coordinates / जीग्राफिक समाप्ती

157) The term "United Nations" was coined by:
   A) Lenin / लेनिन B) Churchill / चर्चिल C) Stalin / स्टालिन D) Roosevelt / रूजवल्फ

158) Breaking physical memory into fixed-sized blocks called as:
   A) Frames / फ्रेम्स B) Packet / एप्केट C) Segments / सेगमेंट्स D) Page / पेज

159) Vinculum is used to measure:
   A) rate of flow of liquids B) liquid pressure C) surface tension D) liquid density

160) Which of the following pairs of physical quantities have the same dimensions?
62) Which of the following species are critically endangered?

A) Forest Owl / जंगली उलूल B) The gyps Vulture / चिस्ता बकरा
C) White bellied heron / सफेद पंख बारा D) Gangetic Dolphin / गंगा सिंह जलील

63) Which law states that with constant tastes and preferences, the proportion of income spent on food stuff diminishes as income increases?

A) Gresham's Law / ग्रेशम का नियम B) Griffin's Law / सिफिङ्ग नियम
C) Say's Law / से का नियम D) Engla's Law / एंग्ला नियम

64) The first Nobel Prize in Economics was awarded to:

A) Paul A. Samuelson / पॉल A. सामुअलसन B) Amartya Sen / अमर्त्य सेन
C) Jan Tinbergen and Ragnar Frisch / जैन टिनबर्गन और राफगर फ्रिश D) Stigler / स्टिगलर

65) The term Ecosystem was proposed by:

A) S.A. Forbes / सी.ए. फोर्ब्स B) Vernadsky / वर्नाद्स्की
C) Tihemomann / टिहेमल्मन D) A.G. Tansley / ए.जी. टान्स्ली

66) Which of the following is responsible for fostering the development of dance, drama and music in India?

A) Sahitya Akademi / साहित्य अकादमी B) National School of Drama / राष्ट्रीय संयुक्त नृत्य अकादमी
C) Sangeet Natak Akademi / संगीत नाटक अकादमी D) Lalit Kala Akademi / लालित कला अकादमी

167) The main component of liquid bleach is:

A) Hydrochloric acid / हायड्रोच्लोरिक अम्ल B) Sodium Chloride / नाडियम क्लोराइट
C) Sodium hypochlorite / नाडियम ह्यूपोच्लोराइट D) Sodium hydroxide / नाडियम ह्यूड्रोआइड

168) International Women's Day is observed on:

A) 8th March / 8 मार्च B) 15th October / 15 अक्टूबर
C) 8th March / 8 मार्च D) 27th January / 27 जनवरी

169) VAT is imposed:

A) On first stage of production / उत्पादन के प्रथम चरण में B) On all stages between production and sale / उत्पादन और बिक्री के समस्त चरणों में
C) On final stage of production / उत्पादन के अंतिम चरण में D) Directly on Consumer / खरेदी कर्ता पर

170) Chile saltpeter is the common name of:

A) Potassium nitrate / पोटेशियम नाइट्रेट B) Sodium nitrate / नाडियम नाइट्रेट
C) Sodium nitrate / नाडियम नाइट्रेट D) Potassium nitrite / पोटेशियम नाइट्राइट

171) The Nobel Peace Prize for 2014 has been awarded to:

A) Kailash Satyarthi and Malala Yousafzai / कैलिश सत्यरथी और मलाला यूसूफजाई B) Barack Obama / बराक ओबामा
C) Malala Yousafzai / मलाला यूसूफजाई D) Kailash Satyarthi and Malala Yousafzai / कैलिश सत्यरथी और मलाला यूसूफजाई
172) BOD stands for:

A) Biochemical oxygen demand / बौधिक ऑक्सीजन डिमांड
B) Biotic oxidation demand / बौधिक ऑक्सीजन डिमांड
C) Biological oxygen demand / बौधिक ऑक्सीजन डिमांड
D) Biological oxidation demand / बौधिक ऑक्सीजन डिमांड

173) The highest title in India is:

A) 12th Dan / छहवी डान
B) Yellow Belt / पीली बेल्ट
C) 10th Dan / दसवी डान
D) Black Belt / काली बेल्ट

174) Arachnology is the study of:

A) Study of spiders / गवाहों का अध्ययन
B) Study of insects / कांग्रडों का अध्ययन
C) Study of bees / मधुरी पालन
D) Study of mites / बाँसी का अध्ययन

175) IMF stands for:

A) International Monetary Fund / आंतरराष्ट्रीय मानक परिषद
B) Indian Manufacturing Firm / भारतीय विद्युत प्रस्ताव
C) International Monetary Fund / आंतरराष्ट्रीय मानक परिषद
D) Interest Minimum Function / ब्याज निम्नतम फंक्शन

176) In our country the Van Mahotsava day is celebrated on:

A) 1st July / 1 जुलाई
B) 10th Aug / 10 अगस्त
C) 1st Dec / 1 दिसंबर
D) 5th Oct / 5 अक्टूबर

177) Which type of switching is used in Internet?

A) Circuit / परिपथ (सेक्टर)
B) Telephonic / टेलीफोनिक
C) Packet / टेक्टेक
D) Telex / टेलेक्स

178) The strongest oxidizing agent among the following is:

A) Oxygen / ऑक्सीजन
B) Chlorine / चॉलरीन
C) Fluorine / फ्लोरीन
D) Iodine / आइडीन

179) Organic food is supposed to be better for human consumption because:

A) It is too expensive to buy.
B) It is grown without the use of chemicals & synthetic pesticides.
C) It is grown in glass houses & air tight environment.
D) It depends on chemicals & fertilizers.

180) Who translated 'Mahabharata' into Persian?

A) Badami / बदामी
B) Alula Fazal / अलुला फजल
C) Ibn-Batuta / इबन-भटुता
D) Babar / बाबर

181) The Ozone layer protects us from:

A) Infrared rays / उल्टी रेडियन की लाइनें
B) Visible rays / दिशा निरंतर की लाइनें
C) Cosmic rays / अंतरिक्ष की लाइनें
D) Ultra-Violet rays / उत्तर की लाइनें

182) Commercially valued cork is obtained from:

A) Cedrus Deodara / सेक्टर स्रोत
B) Cycas / स्कॉकस
C) Ficus / फिकस
D) Quercus sp. / कैरेस स्पु.
183) The oath of office is administered to the Governor by the:
A) Chief Justice of High Court  B) President / राष्ट्रपति / उच्च न्यायालय के मुख्य
C) Speaker of Legislative Assembly / विधान सभा के अध्यक्ष
D) Chief Justice of India / भारत के मुख्य न्यायाधीश

184) Gas engine was invented by:
A) Davy / देवी   B) Daimler / डाईम्लर
C) Diesel / डीजल   D) Charles / चार्ल्स

185) What is the superannuation period of Chief Justice of Supreme Court?
उच्च न्यायालय के मुख्य न्यायाधीश की अधिकारिता का पत्र कितना है?
A) 60 years / वर्ष   B) 62 years / वर्ष
C) 65 years / वर्ष   D) 66 years / वर्ष

186) Survey is caused by:
सर्वेक्षण का कारण कौन सा होता है?
A) Vitamin B / विटामिन 'B'   B) Vitamin A / विटामिन 'A'
C) Vitamin D / विटामिन 'D'   D) Vitamin C / विटामिन 'C'

187) Which Brigadier was associated with Jallianwala Bagh tragedy?
जलालवाला बाग घटना से संबंधित कौन सा ब्रिजेडीर था?
A) General Hirst / जनरल हार्ट   B) General Dyer / जनरल डायर
C) Colonel Wellisky / कोलनल वेलिस्की   D) Arthur Wellesley / एर्थर वेलिस्की

188) Arboriculture is the study of:
वृक्ष संरचना निर्माण अध्ययन है?
A) Cultivation of trees and vegetables वृक्षों एवं सब्जियों की व्यावसायिक उत्पादन
B) Science of plant life पौधे की जीवन शक्ति का निर्माण
C) Art of garden cultivation बगीचों की कला
D) Art of growing crops वस्त्र हिराणी की कला

189) Approximate number of skeletal muscles:
संसार के शासनराज्यों की अनुमानित संख्या क्या है?
A) 200    B) 200
C) 500    D) 700

190) Which of the following was the early capital of the Rashtrakutas?
राष्ट्रकूट राजवंश के प्रथम राजधानी क्या थी?
A) Sopana / सोपा    B) Elora / एलोरा
C) Vatapi / वतपी    D) Ajanta / अजंता

191) The “Recall Provision” to remove the elected office bearers from the local self-government institution has been executed in:
स्थानीय राज्य संस्थान से नियुक्त अध्यक्षों को हटाने का प्रयास किया गया था?
A) Madhya Pradesh / मध्य प्रदेश   B) Kerala / केरल
C) Haryana / हरियाणा   D) Bihar / बिहार

192) What do you understand by the term 'Dark Fermentation'?
प्रकाश्चक्रिया के नाम से आया क्या समझते है?
A) It is a method to reduce COD in the atmosphere. / इसे एक तरीका है जिससे वायु में COD को कम किया जा सके हैं
B) It is a method to produce Hydrogen as a fuel from waste water. / यह उस बात का एक उपकरण है जिससे शहदगुल उत्पादन किया जा सके हैं
C) It is a method to produce methane from organic wastes / यह एक उपकरण है जिससे मानव झिल्ली को त्यौहार करने के लिए स्थापित किया जा सके हैं
D) It is a method to dispose nuclear wastes / यह रेडियो उत्पादन को उपरले करने का उपकरण है

193) Which of the following states having longest coastline in India?
भारत में सबसे लम्बी सीमा के लिए कौन सा राज्य है?
A) Maharashtra / महाराष्ट्र   B) Andhra Pradesh / आंध्र प्रदेश
C) Tamil Nadu / तमिलनाडु   D) Gujarat / गुजरात
194) Which of the Kushana ruler patronized Buddhism?
A) Kanishka / कनिष्ठक B) Ashoka / अशोक C) Vikramaditya / विक्रमादित्य D) Kanishka / कनिष्ठक

195) A cycle tyre bursts suddenly. This represents an:
A) Isobaric process / समदर्शी प्रक्रिया B) Isothermal process / समथर्म प्रक्रिया C) Isochoric process / समवृत्ती प्रक्रिया D) Adiabatic process / स्वहोग प्रक्रिया

196) Bhoomi Revolution is related to:
A) Poultry / मुग्गल पक्ष B) Fisheries / निश्चल पक्ष C) Drinking water / पेय जल D) Space research / अंतरिक्ष अनुसंधान

197) Planimeter is used to measure:
A) Areas / क्षेत्र B) Road Distance / सड़क दूरी C) Direction / दिशा D) Height of a region / क्षेत्र की ऊंचाई

198) Anuradha Roy is the author of the book:
A) The Algebra of Infinite Justice / अनंत धार्मिक अद्वितीय B) Half a life / एक एवं आधा जी B) The Rising Sun / उभार गौरव C) Truth, love and a little malice / प्राचीन काल में एक एवं ए असांततिक

199) Who built 'Adhai Din Ka Jhopda' or 'A hut of two and a half days' at Ajmer?
A) Qutbuddin Alauddin / कुत्बुद्दीन अलोक C) Balban / बलबन B) Alauddin Khilji / अलोकदीन खिलजी D) Muhammad bin Tughlaq / मुहम्मद बिन तुग्लाक