

DO NOT OPEN THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO

इस पुस्तिका की सील तब तक न खोले जब तक कहा न जाए

A

JDD-11/FO/X-14

Serial No.

POST CODE :

पोस्ट कोड : 71/14

Write here Roll number and Answer-Sheet No.

यहाँ क्रमांक एवं उत्तर-पत्रिका संख्या लिखें

291871

Roll No./ अनुक्रमांक

Answer-Sheet No./ उत्तर-पत्रिका संख्या

Time Allowed : 2 hours

OBJECTIVE TYPE ONE-TIER EXAMINATION

Maximum Marks : 200

निर्धारित समय : 2 घंटे

वस्तुनिष्ठ चन-टियर परीक्षा

अधिकतम अंक : 200

Read the following instructions carefully before you begin to answer the questions.

प्रश्नों के उत्तर देने से पहले नीचे लिखे अनुदेशों को ध्यान से पढ़ लें ।

IMPORTANT INSTRUCTIONS TO CANDIDATES

- This Booklet contains 200 questions in all comprising the following Sections :

Sl. No.	Test Components	No. of Questions	Page No.
i)	General Awareness	40	4 - 9
ii)	General Intelligence and Reasoning Ability	40	10 - 17
iii)	Arithmetical and Numerical Ability	40	18 - 25
iv)	Test of Language : Hindi	40	26 - 27
v)	Test of Language : English	40	28 - 31

- All questions are compulsory and carry equal marks.
- The paper carries negative markings. For each wrong answer 0.25 mark will be deducted.
- In case of any discrepancy between the English and Hindi versions of any question, the English version will be treated as final/authentic.
- OMR Answer-Sheet is enclosed in this Booklet. You must complete the details of Roll Number, Question Booklet No., etc., on the Answer-Sheet and Answer-Sheet No. on the space provided above in this Question Booklet, before you actually start answering the questions, failing which your Answer-Sheet will not be evaluated and you will be awarded 'ZERO' mark.
- You must not tear off or remove any sheet from this Booklet. The Answer-Sheet must be handed over to the invigilator before you leave the Examination Hall.
- Use of Calculator/Palmtop/Laptop/Other Digital Instrument/Mobile/Cell Phone/Pager is not allowed.
- Candidates found guilty of misconduct/using unfair means in the Examination Hall will be liable for appropriate penal/legal action.
- The manner in which different questions are to be answered has been explained at the back of this Booklet, which you should read carefully before actually answering the questions.
- No Rough Work is to be done on the Answer-Sheet.

उम्मीदवारों के लिए महत्वपूर्ण अनुदेश

- इस पुस्तिका में कुल 200 प्रश्न हैं, जिनमें निम्नलिखित भाग शामिल हैं :

क्रमांक	परीक्षण विषय	प्रश्नों की संख्या	पृष्ठ क्रमांक
i)	सामान्य जानकारी	40	4 - 9
ii)	सामान्य बुद्धिमत्ता तथा तार्किक योग्यता	40	10 - 17
iii)	अंकगणितीय एवं संख्यात्मक योग्यता	40	18 - 25
iv)	भाषा परीक्षण : हिन्दी	40	26 - 27
v)	भाषा परीक्षण : अंग्रेजी	40	28 - 31

- सभी प्रश्न अनिवार्य हैं तथा सबके बराबर अंक हैं ।
- प्रश्न पत्र में नकारात्मक अंकन होगा । हर गलत उत्तर के लिए 0.25 अंक काटा जायेगा ।
- यदि किसी प्रश्न के हिन्दी तथा अंग्रेजी अनुवाद में कोई अंतर है तो अंग्रेजी अनुवाद को ही सही समझा जायेगा ।
- इस उत्तर-पुस्तिका में ओ.एम.आर. उत्तर-पत्रिका संलग्न है । प्रश्नों के उत्तर वास्तव में शुरू करने से पहले आप उत्तर-पत्रिका में अपना रोल नम्बर, प्रश्न पुस्तिका संख्या, इत्यादि तथा इस प्रश्न पुस्तिका में उपरोक्त दिये गए स्थान पर उत्तर-पत्रिका की संख्या लिखें । अन्यथा आपकी उत्तर-पत्रिका को वाँचा नहीं जायेगा और शून्य अंक दिया जायेगा ।
- इस पुस्तिका से कोई पत्र फाड़ना या अलग करना मना है । परीक्षा-भवन छोड़ने से पहले उत्तर-पत्रिका निरीक्षक के हवाले कर दें ।
- कैलकुलेटर/पायलटॉप/लैपटॉप/अन्य डिजिटल उपकरण/मोबाइल/सेल फोन/पेजर का उपयोग वर्जित है ।
- परीक्षा-भवन में अनुचित व्यवहार एवं कार्य के लिए दोषी पाये गये अभ्यर्थी सुविधसंगत संहारक/वैधानिक कार्यवाही के पत्र होंगे ।
- विभिन्न प्रश्नों के उत्तर देने की विधि इस पुस्तिका के पीछे छपे हुए निर्देशों में दे दी गई है, इसे आप प्रश्नों के उत्तर देने से पहले ध्यानपूर्वक पढ़ लें ।
- कोई रफ कार्य उत्तर-पत्रिका पर नहीं करना है ।

Go through instructions given in Page No. 32 (Back Cover Page)

A*

SEAL

SEAL



i) General Awareness

1. Bimbisara and Ajathasatru were the patrons of
 (A) Shaivism (B) Vaishnavism
 (C) Jainism (D) None of these
2. Shankaracharya brought forward the doctrine of
 (A) Dwaitha
 (B) Advaita
 (C) Vishistadwaitha
 (D) Lingayatism
3. In his first invasion, in _____, Mahmud of Ghazni defeated Jaya Pala by attacking the Hindushahi Kingdom.
 (A) 1001 A.D. (B) 1011 A.D.
 (C) 1006 A.D. (D) 1008 A.D.
4. Taj Mahal is a white marble mausoleum located in Agra was built by Mughal emperor Shahjahan in memory of his _____ wife Mumtaz Mahal.
 (A) First (B) Second
 (C) Third (D) Fourth
5. Kaniska the Great who was a Turushka emperor of _____ dynasty, encouraged Gandhara School of Greco-Buddhist Art.
 (A) Kosala
 (B) Kushan
 (C) Maurya
 (D) None of these
6. First of the ten Sikh Gurus, _____ is the founder of Sikhism.
 (A) Guru Nanak
 (B) Siddharth
 (C) Vishnuvardhan
 (D) Jail Singh
7. The navigator _____ claimed the east coast of Australia for Britain in 1770. Without conducting negotiations with the existing inhabitants.
 (A) David Cook
 (B) Thomas Cook
 (C) George Cook
 (D) James Cook
8. There are _____ continents in the World including North America and South America.
 (A) 7 (B) 6
 (C) 5 (D) 8
9. Oxygen was initially discovered by _____ in 1772. Then Joseph Priestly also discovered it two years later and spread the news.
 (A) Carl Wilhelm Scheele
 (B) Thomas Edison
 (C) Albert Einstein
 (D) None of these
10. Laughing gas is
 (A) Nitrogen Peroxide
 (B) Nitrogen Pentoxide
 (C) Nitrous Oxide
 (D) Nitric Oxide
11. The host city of the 2011 Commonwealth Games is
 (A) Glasco (B) Glasgow
 (C) Glasko (D) None of these
12. Period of First Five Year Plan of Government of India was
 (A) 1951-1956 (B) 1950-1955
 (C) 1951-1955 (D) 1952-1957



13. One of the major causes of the outbreak of Second World War was
(A) French Revolution
(B) Industrial Revolution
(C) Treaty of Versailles
(D) Lisbon Treaty
14. Who is the Ex-officio Chairman of the Planning Commission of Government of India ?
(A) Prime Minister
(B) Finance Minister
(C) President of India
(D) Law Minister
15. Durand cup is associated with
(A) Badminton (B) Cricket
(C) Tennis (D) Football
16. United Nations Organisation was born on
(A) Dec. 24, 1945
(B) Jan. 26, 1950
(C) Oct. 24, 1945
(D) Aug. 15, 1947
17. Total number of member countries of UNO is
(A) 190 (B) 191
(C) 195 (D) 193
18. Soda water is an example for _____ type of solution.
(A) Gas in liquid
(B) Gas in solid
(C) Liquid in solid
(D) None of these
19. A device for detecting the presence of underwater objects such as submarines is called
(A) Radar (B) Solar
(C) Polar (D) Sonar
20. One of the salts causing the permanent hardness in the water is
(A) Ammonium chloride
(B) Sodium iodide
(C) Calcium sulphate
(D) Carbon dioxide
21. Graphite is used as _____ to control the nuclear reaction in a nuclear reactor.
(A) Moderator (B) Catalyst
(C) Modulator (D) None of these
22. A device which converts mechanical energy into electrical energy is called
(A) generator (B) motor
(C) ammeter (D) dynamo
23. Name the scientist who discovered the method of immunising man against smallpox.
(A) Alfred Jenner
(B) Edward Jenner
(C) Wilfred Jenner
(D) None of these
24. Who discovered the Penicillin? Notatum ?
(A) Alfred Fleming
(B) William Fleming
(C) David Fleming
(D) None of these
25. One of the surgical methods of family planning is
(A) Lasectomy (B) Masectomy
(C) Nasectomy (D) Vasectomy
26. Expansion of VAT is
(A) Variable Additional Tax
(B) Variety Added Tax
(C) Value Added Tax
(D) None of these



27. Chemical formula for common salt is
(A) MnO_2 (B) $NaCl_2$
(C) KCl (D) $NaCl$
28. The famous Kailasanath temple at Ellora was built by
(A) Krishna - I (B) Kalinga - I
(C) Keshava - I (D) None of these
29. The name of religion established by Akbar was
(A) Bin-illahi (B) Din-Villahi
(C) Din-Billahi (D) Din-E-illahi
30. Mr. Narendra Modi took oath on May 26, 2014 as country's _____ Prime Minister.
(A) 14th (B) 15th
(C) 16th (D) None of these
31. Telangana is the _____ State of India.
(A) 27th (B) 28th
(C) 29th (D) None of these
32. _____ has become the Speaker of the 16th Lok Sabha.
(A) Sumathi Mahajan
(B) Sushma Swaraj
(C) Sushma Mahajan
(D) Sumitra Mahajan
33. ISRO's PSLV-C 23 successfully put 5 foreign satellites into orbit at the ISRO's spaceport in _____ on June 30, 2014.
(A) Sriharikota
(B) Hassan
(C) Thiruvananthapuram
(D) Vishakapattanam
34. NCA Chairman recently announced that Narmada Dam got the approval to raise its height by _____ meters.
(A) 15 (B) 16
(C) 17 (D) 18
35. NDA means
(A) National Directors Alliance
(B) Nominal Democratic Alliance
(C) National Divisional Alliance
(D) National Democratic Alliance
36. The winner of the 58th Filmfare Awards 2012 in the Best Film category was
(A) Barfi! (B) Kahaa
(C) Vicky Donor (D) Lagaa
37. Along with Sachin Tendulkar, _____ was presented with Bharat Ratna (2013) on 26th Jan. 2014.
(A) Prof. P. N. R. Rao
(B) Prof. C. N. R. Rao
(C) Prof. C. M. R. Rao
(D) Prof. K. N. R. Rao
38. "Origin of Species" is written by
(A) Mendel (B) Abdul
(C) Muller (D) Darwin
39. Kathakkali is a form of dance drama mainly in
(A) Karnataka
(B) Tamil Nadu
(C) Kerala
(D) Andhra Pradesh
40. The captain of the Indian cricket team which won World Cup in 1983 was
(A) Kapil Dev
(B) Azaruddin
(C) Abhinav Bindra
(D) Sachin Tendulkar



ii) General Intelligence and Reasoning Ability

Directions (Qs. 41 and 42) : Select the related word which cannot be formed using the letters of the given word.

41. MISAPPROPRIATION
 (A) PERSON (B) PORTION
 (C) PRAPORTION (D) RAPPORT
42. CONCEPTUALIZATION
 (A) TOTAL (B) PETAL
 (C) ACTUAL (D) PATRON
43. If $8 + 5 = 31$ and $9 + 7 = 61$, what is $9 + 6 = ?$
 (A) 71 (B) 51
 (C) 41 (D) 61
44. If the word PROPER is written as REPORP, then ANTHEM can be written as
 (A) MEHTAN (B) MEHANT
 (C) MEHTNA (D) HEMANT
45. In a certain code, DIPLOMAT is written as TAOMLPDI. How will PROSPECT be written in that code?
 (A) TCEPSORP
 (B) TCPESOPR
 (C) TCPEOSRP
 (D) TCEPSOPR
46. If '-' stands for '+', '+' stands for 'x', '÷' stands for '-' and 'x' stands for '+', which one of the following is correct?
 (A) $10 \times 5 \div 5 + 5 - 5 = 0$
 (B) $10 + 5 - 5 \div 5 \times 5 = 10$
 (C) $10 \div 5 \times 5 \div 5 = 5$
 (D) $10 - 5 + 5 \div 5 \times 5 = 25$

Directions (Qs. 47 and 48) : Select the missing number from the given responses.

47. $\begin{matrix} 9 & 6 & 18 & 13 \\ 7 & 19 & 4 & 11 \\ 25 & 31 & ? & 37 \end{matrix}$
 (A) 40
 (B) 22
 (C) 31
 (D) 36
48. $\begin{matrix} 3 & 5 & 6 & 2 \\ 2 & 8 & 3 & 3 \\ 4 & 2 & 5 & 5 \\ 24 & 80 & ? & 30 \end{matrix}$
 (A) 13
 (B) 45
 (C) 90
 (D) 14
49. Lekhana goes 30 km towards North from a fixed point. Then after turning to her right she goes 30 km. After turning to her right she goes 30 km. How far and in what direction is she from the starting point?
 (A) 60 km West
 (B) 30 km South
 (C) 60 km East
 (D) 30 km East
50. If $532 + 781 = 26$ and $862 + 920 = 14$, what is the value of $796 + 354$?
 (A) 31
 (B) 34
 (C) 30
 (D) 26



51. In a certain code if ANTEVIRUS is written as 123456789, how can SURVIVE be written in the same code ?
 (A) 9875654 (B) 4565789
 (C) 9875674 (D) 8975654
52. In a certain code if ABSENT is written as BCTFOU, how can PERSON be written in that code ?
 (A) QFSTOM
 (B) QFSTPM
 (C) QFSTPO
 (D) QESTPO
- Directions (Qs. 53 and 54) :** Select the one which is different from the other three responses.
53. 256, 144, 289, 195
 (A) 144 (B) 289
 (C) 256 (D) 195
54. FATHER, UNCLE, NIECE, NEPHEW
 (A) NEPHEW
 (B) NIECE
 (C) FATHER
 (D) UNCLE
55. Which of the following pairs has the same relationship as leg : walk ?
 (A) eye : see (B) play : swim
 (C) read : write (D) rich : poor
56. Which letter will be the tenth to the left of the eighteenth letter from the left end of the following letters ?
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 (A) P (B) Y
 (C) A (D) H
57. Age of Charithra's father today is three times as that of her age. Ten years ago, the age of her father was five times that of her age. What is Charithra's age today ?
 (A) 10 yrs. (B) 15 yrs.
 (C) 20 yrs. (D) 25 yrs.
58. Naveen ranks 31st in a class of 51. What is his rank from the last ?
 (A) 20 (B) 21
 (C) 30 (D) 26
59. Arrange the following words as per order in the dictionary.
 1) COMMIT
 2) COMMAND
 3) COMMANT
 4) COMMENT
 (A) 2, 3, 1, 4
 (B) 1, 2, 3, 4
 (C) 2, 3, 4, 1
 (D) 2, 1, 3, 4
60. Arrange the following words as per order in the dictionary.
 1) CONCERN
 2) CONNECT
 3) CONDUCT
 4) CONCEIVE
 (A) 4, 1, 3, 2
 (B) 4, 2, 3, 1
 (C) 1, 4, 2, 3
 (D) 2, 3, 4, 1



61. The meaningful order of the following responses would be

- 1) Mother
 - 2) Marriage
 - 3) Grandmother
 - 4) Conceive
- (A) 1, 2, 3, 4
 (B) 2, 1, 4, 3
 (C) 2, 4, 1, 3
 (D) 2, 4, 3, 1

Directions (Qs. 62 to 65) : Choose the correct alternative from the given ones that will complete the series.

62. E, G, I, K, ?, O, Q

- (A) L
 (B) M
 (C) P
 (D) N

63. 4, 9, 16, ?, 36, 49

- (A) 20
 (B) 23
 (C) 21
 (D) 25

64. 1, 3, 7, 15, 31, ?, 127

- (A) 62
 (B) 60
 (C) 63
 (D) 65

65. 1, 2, 4, 7, 11, ?, 22, 29

- (A) 13 (B) 16
 (C) 15 (D) 20

Directions (Qs. 66 to 70) : Find the odd word/number/group from the given responses.

66. (A) Jumping
 (B) Swimming
 (C) Breathing
 (D) Running

67. (A) old – new
 (B) ancient – modern
 (C) shallow – deep
 (D) calm – quiet

68. (A) YARD
 (B) RUPEE
 (C) INCH
 (D) METRE

69. (A) NET
 (B) VIOLET
 (C) BLACK
 (D) RED

70. (A) YAMUNA
 (B) NARMADA
 (C) TELANGANA
 (D) GANGA

71. Which of the following pairs of words given below has the same relationship as CANVAS : PAINTER ?

- (A) LEATHER : SHOE
 (B) MARBLE : SCULPTOR
 (C) CHISEL : WOOD
 (D) HAMMER : DRIVER



72. In the given number series, how many instances are there wherein the sum of the two consecutive numbers is 10 ?
2, 7, 1, 3, 5, 2, 6, 7, 4, 1, 5, 3, 2, 9, 4
(A) Nil (B) 2
(C) 1 (D) More than 2
73. In the telephone directory which of the following names will appear in the middle among themselves ?
1) RAJRATNAM
2) RAJRATHANAM
3) RAJRATHNAM
4) RAJRATANAM
5) RAAJRATHNAM
(A) 1st (B) 3rd
(C) 2nd (D) 5th
74. 8, 27, ?, 125
(A) 35
(B) 50
(C) 64
(D) 81
75. Five boys are so standing that they form a circle. All of them are facing the center of that circle. Ajay is between Ramesh and Dominic, Soloman is to the left of Babu. Ramesh is to the left of Soloman. Who is to the right of Ajay ?
(A) Dominic
(B) Babu
(C) Soloman
(D) Ramesh
76. If we substitute numbers 1 to 12 indicating hours on the dial of a clock by letters of the alphabet in their order starting with C, which letter would represent 8 ?
(A) J (B) K
(C) L (D) I
77. Sandeep and Raju are ranked 13th and 14th respectively in a class of 23. What is their respective ranks from the last ?
(A) 10th and 11th
(B) 11th and 12th
(C) 11th and 10th
(D) 9th and 10th
78. Which of the following pairs has the same relationship as WATER : SWIM ?
(A) PLAN : IMPLEMENT
(B) GRAZE : GRASS
(C) DAMAGE : FLOOD
(D) GROUND : PLAY
79. Choose the one which does not belong to the group.
(A) Father (B) Mother
(C) Uncle (D) Brother
80. If '+' means '÷', '-' means '+', 'x' means '-', '÷' means 'x', then
 $8 \div 4 - 6 + 3 \times 4 = ?$
(A) 33
(B) 80
(C) 30
(D) 13



iii) Arithmetical and Numerical Ability

81. When 'n' is divided by 5, the remainder is 2. What is the remainder when 'n²' is divided by 5 ?
 (A) 2 (B) 4
 (C) 3 (D) 1
82. If the cost price of 15 articles is equal to the selling price of 12 articles, find the percentage of gain.
 (A) 15 (B) 20
 (C) 25 (D) 30
83. The ratio between two numbers is 2 : 3. If each number is increased by 4, the ratio between them becomes 5 : 7. The difference between the numbers is
 (A) 8 (B) 2
 (C) 6 (D) 4
84. The geometric mean between 4 and 16 is
 (A) 8 (B) 12
 (C) 10 (D) 6
85. The sum of two numbers is 5 and their product is 6. The sum of their squares is
 (A) 30 (B) 61
 (C) 36 (D) 13
86. By what least number 60 be multiplied to obtain a number which is a perfect square ?
 (A) 6 (B) 10
 (C) 12 (D) 15
87. If $x : y = 4 : 5$, then $5x + 3y : 10x + 2y = ?$
 (A) 5 : 3 (B) 10 : 7
 (C) 7 : 10 (D) 3 : 2
88. $(0.7 \times 0.7 \times 0.7 - 0.6 \times 0.6 \times 0.6) / (0.7 \times 0.7 + 0.7 \times 0.6 + 0.6 \times 0.6) = ?$
 (A) 1.1 (B) 0.1
 (C) 1.3 (D) 1
89. $\sqrt{32} + \sqrt{50} = ?$
 (A) $9\sqrt{2}$ (B) $6\sqrt{2}$
 (C) $8\sqrt{2}$ (D) $\sqrt{82}$
90. From a wire of 11 cm length, how many rings of 0.7 cm diameter can be made ?
 (A) 10 (B) 5
 (C) 15 (D) 6
91. $\left(\frac{3}{5} \times \frac{3}{5} - \frac{2}{5} \times \frac{2}{5}\right) \div \left(\frac{3}{5} - \frac{2}{5}\right) = ?$
 (A) $\frac{1}{5}$ (B) $\frac{3}{5}$
 (C) $\frac{2}{5}$ (D) 1
92. The market value of a share of face value ₹ 100 is ₹ 95. How many of these shares can be purchased by investing ₹ 38,000 ?
 (A) 400 (B) 40
 (C) 300 (D) 200
93. What will be the compound interest for ₹ 50,000 for 2 years at the rate of 10% ?
 (A) ₹ 10,000 (B) ₹ 5,000
 (C) ₹ 10,500 (D) ₹ 15,000



94. The average age of 29 students of a class was 13 years. When a new boy was admitted, their average age became 13.1 years. What was the age of the new boy ?
(A) 14 years
(B) 16 years
(C) 15 years
(D) None of these
95. Median of 5, 7, 11, 17, 9, 15, 2, 23 and 19 is
(A) 9 (B) 17
(C) 15 (D) 11
96. If $a + \frac{1}{a} = 2$, $a^2 + \frac{1}{a^2} = ?$
(A) 4 (B) 2
(C) 0 (D) 6
97. $a^0 = ?$
(A) a
(B) 0
(C) 1
(D) None of these
98. An article is marked for ₹ 1,300 and is sold for ₹ 1,144. Find the discount percent.
(A) 12% (B) 13%
(C) 11% (D) 14%
99. Two numbers are respectively 10% and 25% more than the third number. What percent is the first of the second ?
(A) 80% (B) 88%
(C) 85% (D) 75%
100. The L.C.M. of two numbers is 2079 and their H.C.F. is 27. If one of the number is 189, find the other.
(A) 217 (B) 237
(C) 257 (D) 297
101. The smallest number which when divided by 42 and 54 leaves the remainders 34 and 46 respectively is
(A) 360 (B) 370
(C) 380 (D) 390
102. H.C.F. of $\frac{8}{9}$ and $\frac{20}{27}$ is
(A) $\frac{4}{27}$ (B) $\frac{40}{27}$
(C) $\frac{4}{9}$ (D) $\frac{12}{54}$
103. The area of a square field is 36100 sq.m. Find the cost of fencing it at the rate of ₹ 200 per metre.
(A) ₹ 52,000
(B) ₹ 76,000
(C) ₹ 1,42,000
(D) ₹ 1,52,000
104. The length and breadth of a rectangular field are 100 m and 66 m respectively. The radius and length (height) of a cylindrical roller are 0.7 m and 1.5 m respectively. How many revolutions of this roller are necessary to level this field ?
(A) 100 (B) 1000
(C) 500 (D) 200



105. Raju travelled from A to B at a speed of 40 km/hr and returned from B to A at a speed of 50 km/hr. Find the average speed of his total journey.
- (A) 45 km/hr
(B) $45\frac{4}{9}$ km/hr
(C) $44\frac{4}{9}$ km/hr
(D) None of these
106. John travelled from A a distance of 5 km towards South to B. From there he travelled 4 km towards East to C. From there he travelled 8 km towards North to D. Find the distance from A to D.
- (A) 5 km
(B) 17 km
(C) 3 km
(D) 4 km
107. The ratio of the radii of two spheres is 3 : 5. The ratio of the volumes of these spheres is
- (A) 9 : 15
(B) 9 : 25
(C) 12 : 20
(D) 27 : 125
108. 25 workers take 12 days to complete a work. How many workers are necessary to complete the same work in 10 days ?
- (A) 30
(B) 35
(C) 26
(D) 20
109. Out of 80 candidates who appeared for a combined test in English and Hindi, 64 passed at least in one subject. If 45 passed in English and 52 passed in Hindi. How many passed in both the subjects ?
- (A) 17
(B) 33
(C) 29
(D) Cannot be calculated
110. Find the quarterly interest on a sum of ₹ 4,000 fixed deposit at 9% per annum.
- (A) ₹ 1,000
(B) ₹ 100
(C) ₹ 90
(D) None of these
111. From the digits 5, 7, 3, 6, 9 how many two digit numbers can be formed (without repetition) ?
- (A) 20
(B) 10
(C) 30
(D) 27
112. How many diagonals can be drawn in an octagon ?
- (A) 20
(B) 28
(C) 8
(D) 16
113. The length of one side of a square is 6 cm. The length of its diagonal is
- (A) 8 cm
(B) 10 cm
(C) $6\sqrt{3}$ cm
(D) $6\sqrt{2}$ cm

114. Sum of the first 30 natural numbers is
- (A) 600
 - (B) 450
 - (C) 465
 - (D) 545

115. Find the least number to be subtracted from 171 to make the resultant a perfect square.

- (A) 1
- (B) 2
- (C) 3
- (D) 4

116. 36 workers, by working 5 hours a day can complete a work in 12 days. How many workers are necessary, who work 6 hours a day, to complete the same work in 18 days ?

- (A) 20
- (B) 22
- (C) 26
- (D) 24

117. Give the fraction equal to $12\frac{1}{2}\%$

- (A) $\frac{2}{3}$
- (B) $\frac{1}{6}$
- (C) $\frac{3}{5}$
- (D) $\frac{1}{8}$

118. If $A : B = 3 : 4$, $B : C = 3 : 5$, $A : C = ?$

- (A) 3 : 5
- (B) 6 : 5
- (C) 9 : 20
- (D) 12 : 15

119. Three circles with centres A, B, C and radii 3 cm, 4 cm and 4.5 cm respectively touch each other externally. Find the perimeter of ΔABC .

- (A) 24 cm
- (B) 23 sq.cm
- (C) 23 cm
- (D) 28 cm

120. A person casts two fair dice (with numbers 1 to 6 on their faces) once. What is the probability that the total of the numbers that appear on the top will be 5 ?

- (A) $\frac{5}{36}$
- (B) $\frac{1}{9}$
- (C) $\frac{1}{12}$
- (D) None of these



iv) Test of Language : Hindi

भाषा परीक्षण : हिन्दी

निम्नलिखित प्रश्नों के उत्तर चुनकर लिखिए।

121. घर _____ सामने बगीचा है।
 (A) से (B) के
 (C) को (D) की
122. वे साहित्य और दर्शन _____ विद्वान थे।
 (A) का (B) की
 (C) पर (D) के
123. स्त्री _____ सम्मान देना चाहिए।
 (A) की (B) कि
 (C) का (D) को
124. वह गाड़ी _____ उतरा।
 (A) से (B) पर
 (C) को (D) में
125. कलावती बच्चों _____ पढ़ा रही है।
 (A) में (B) के द्वारा
 (C) पर (D) को
126. नाव नदी _____ डूब गई।
 (A) से (B) के
 (C) में (D) के लिए
127. पीड़ितों _____ दान दो।
 (A) का (B) को
 (C) से (D) पर
128. पंछी _____ पिंजरा खाली किया।
 (A) से (B) ने
 (C) के द्वारा (D) पर
129. रश्मि _____ रमा को पुस्तक दी।
 (A) ने (B) से
 (C) पर (D) के
130. आप अपने कमरे _____ जाइए।
 (A) से (B) के लिए
 (C) में (D) को
131. सड़क _____ लोग जमा हैं।
 (A) के द्वारा (B) का
 (C) पर (D) से
132. वह अपने गुरु _____ इज्जत करता है।
 (A) के (B) की
 (C) से (D) कि
133. अंत शब्द का विलोम शब्द
 (A) आदि (B) अंतर
 (C) अदि (D) अदी
134. 'सुत' शब्द का अर्थ
 (A) बेटी (B) बेटा
 (C) ज्ञानी (D) सुता
135. '25' को हिन्दी में _____ कहते हैं।
 (A) पचास (B) पचपन
 (C) पच्चीस (D) पचहत्तर
136. 'राक्षस' शब्द का स्त्रीलिंग रूप
 (A) राक्षसे (B) राक्षसगण
 (C) राक्षसीन (D) राक्षसी
137. 'समुद्र' शब्द का समानार्थक शब्द
 (A) तालाब (B) सागर
 (C) सरोवर (D) नदी
138. उसे पद _____ हटा दिया गया।
 (A) से (B) पर
 (C) में (D) को
139. उसने देश _____ अपनी कुर्बानी दे दी।
 (A) की (B) के द्वारा
 (C) के लिए (D) से
140. यह रोहन _____ घर है।
 (A) की (B) का
 (C) कि (D) पर
141. गोपाल _____ गाना गाया।
 (A) को (B) के
 (C) ने (D) पर
142. 'बावन' को संख्या में _____ लिखते हैं।
 (A) ५३ (B) ५२
 (C) ५८ (D) ५७



143. उसने भिखारी _____ भीख दी ।
(A) को (B) की
(C) कि (D) के
144. अलमारी _____ कपड़े रखे हैं ।
(A) के (B) में
(C) से (D) को
145. गाय शब्द का पुल्लिंग रूप
(A) गायें (B) बैल
(C) भैंस (D) भैंसा
146. 'हाथ' शब्द का समानार्थक शब्द
(A) कर (B) हाथी
(C) बट (D) तरल
147. 'साड़ी' शब्द का बहुवचन रूप
(A) सड़ियाँ (B) साड़ियाँ
(C) साडी (D) साडीयों
148. 'अग्रज' शब्द का विलोम शब्द
(A) महाराज (B) श्रेष्ठ
(C) अनुज (D) आदमी
149. मन शरीर _____ राजा है ।
(A) का (B) में
(C) पर (D) से
150. राधा _____ खिड़की खोली ।
(A) से (B) को
(C) ने (D) पर
151. वह घर _____ नहीं है ।
(A) से (B) को
(C) कि (D) पर
152. 'उपकार' शब्द का विलोम शब्द
(A) निर्विकार (B) अपकार
(C) उपेक्षा (D) अंधकार
153. 'शिष्य' शब्द का स्त्रीलिंग रूप
(A) शिष्या (B) शिष्य
(C) शिक्षक (D) शिष्यी

154. 'नौ-दो-म्यारह होना' मुहावरे का अर्थ
(A) भेद खुलना (B) धोखा देना
(C) क्रोध से भर जाना (D) भाग जाना
155. 'जीभ' शब्द का समानार्थक शब्द
(A) त्रिपिन (B) वपु
(C) जबान (D) बयार

निम्नलिखित अनुच्छेद पढ़कर उस पर आधारित प्रश्नों के उत्तर लिखिए ।

विश्वेश्वरय्या मैसूर राज्य के निवासी थे। उन्हें अपनी मातृभूमि की सेवा करने में आनंद का अनुभव हुआ। वे मैसूर के चीफ इंजीनियर के पद पर नियुक्त हुए। इस पद पर उन्होंने तीन वर्षों तक कार्य किया। विश्वेश्वरय्या की कार्यकुशलता एवं शासन-पटुता पर महाराज मुग्ध हुए। उन्होंने तीन साल बाद विश्वेश्वरय्या जी को अपना दीवान नियुक्त किया। इस पद पर वे छह साल तक कार्य करते रहे। इन नौ वर्षों की अवधि में विश्वेश्वरय्या ने अपनी योजनाओं को अमल करके मैसूर राज्य का नक्शा ही बदल डाला।

156. विश्वेश्वरय्या किस राज्य के निवासी थे ?
(A) हामन (B) मंगलूर
(C) मन्ड्य (D) मैसूर
157. विश्वेश्वरय्या ने मैसूर राज्य के चीफ इंजीनियर पद पर कितने वर्षों तक कार्य किया ?
(A) चार (B) पाँच
(C) तीन (D) दो
158. महाराजा ने विश्वेश्वरय्या को किस पद पर नियुक्त किया ?
(A) इंजीनियर (B) दीवान
(C) चपरामी (D) हलवाई
159. विश्वेश्वरय्या ने अपनी योजनाओं के द्वारा किस राज्य का नक्शा बदल डाला ?
(A) मैसूर (B) मंगलूर
(C) हामन (D) मन्ड्य
160. उन्हें अपनी मातृभूमि _____ सेवा करने में आनंद का अनुभव हुआ ।
(A) कि (B) की
(C) के (D) को



v) Test of Language : English

भाषा परीक्षण : अंग्रेजी

Directions (Qs. 161 to 163) : In these questions, a sentence has been given in Direct/Indirect form. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct form.

161. Sripriya told my brother, "I will meet you in your office."
 (A) Sripriya told my brother that she would meet him in her office
 (B) Sripriya told my brother that he will meet her in her office
 (C) Sripriya told my brother that I would meet you in your office
 (D) Sripriya told my brother that she would meet him in his office
162. She said, "I am sorry, I did not write."
 (A) She apologised and added that she was sorry, she had not written
 (B) She apologised for I did not write
 (C) She apologised she is sorry, she did not write
 (D) She apologised she is sorry, she had not written
163. The policeman told the students, "Do not park your vehicles here."
 (A) The policeman asked the students not to park his vehicle here
 (B) The policeman asked the students not park your vehicle here
 (C) The policeman asked the students not to park their vehicles here
 (D) The policeman asked the students not to park their vehicles there

Directions (Qs. 164 to 166) : In these questions, a sentence has been given in Active Voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive Voice.

164. An American scientist has won the Nobel Prize for Physics.
 (A) The Nobel Prize for Physics has been won by an American scientist
 (B) The Nobel Prize has been won by an American scientist
 (C) The Nobel Physics Prize has been won by an American scientist
 (D) The Nobel Prize for Physics is won by an American scientist
165. Children are playing the cricket match.
 (A) The cricket match are played by the children
 (B) The cricket match are being played by the children
 (C) The cricket match is being played by the children
 (D) The cricket match were being played by the children
166. He had completed the work.
 (A) The work was completed by him
 (B) The work had been completed by him
 (C) The work has been completed by him
 (D) The work is completed by him

Directions (Qs. 167 to 169) : In these questions, a sentence/a part of the sentence is underlined to which alternatives (A), (B) and (C) are given below which may improve the sentence. Choose the correct alternative. If no improvement is needed, your answer is (D).

167. The saint said that men are mortal.
- (A) Said that men is mortal
 (B) Advised men are mortal
 (C) Said that men were mortal
 (D) No improvement
168. There is no escape in the container for the water to flow.
- (A) Outlet
 (B) Inlet
 (C) Drainage
 (D) No improvement
169. She prefers tea than coffee.
- (A) Tea from
 (B) Tea to
 (C) Tea over
 (D) No improvement

Directions (Qs. 170 to 174) : Read the given passage carefully and choose the best answer to each question out of the four alternatives.

Two bike-borne youths snatched a gold chain worth Rs. 60,000 from a 35 years old homemaker in Salt Lake on Thursday morning. Around 7.30 a.m. at B.G. Block, Keshtopur resident Sujatha Dey was walking

home after dropping her son in school when the youths, wearing full mask helmets that covered their faces, snatched the chain from behind and sped away. She ran for a distance chasing them, but soon they took a sharp turn and she lost them. She dialled 100, the police helpline, from her cell phone.

170. 'Homemaker' is a synonym of
- (A) Housewife
 (B) Servant
 (C) Construction worker
 (D) None of these
171. The Homemaker stayed in
- (A) Bangalore
 (B) Salt Lake
 (C) Keshtopur
 (D) None of these
172. The thieves were chased by
- (A) The residents
 (B) Police
 (C) Sujatha's son
 (D) Sujatha Dey alone
173. Why could Sujatha Dey not identify the thieves ?
- (A) Because they sped away fast
 (B) Because they wore full mask helmets
 (C) Because they were on a bike
 (D) Because she was not interested



174. Why did Sujatha Dey dial 100 ?
- (A) She wanted to know the time of the incident
 - (B) She got a call from that number
 - (C) To lodge a complaint with the police
 - (D) She was afraid of police

Directions (Qs. 175 to 179) : In these questions some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error. If there is no error, then choose (D) as your answer.

175. I have been (A)/working in this organisation (B)/since three years. (C)/No error (D)
176. Neither of the two (A)/Candidates have (B)/paid his subscription. (C)/No error (D)
177. My uncle forced (A)/ my friend and I (B)/ to stay back. (C)/ No error (D)
178. Families consume more energy (A)/ for cooking as (B)/their income levels increase. (C)/No error (D)
179. There has been (A)/a number of railway accidents (B)/during the last month. (C)/No error (D)

Directions (Qs. 180 to 183) : In these questions, out of the four alternatives choose the one which best expresses the meaning of the given word.

180. ERADICATE
- (A) Eliminate
 - (B) Dedicate
 - (C) Indicate
 - (D) Complicate

181. EMULATE
- (A) Enable
 - (B) Element
 - (C) Trying to do as well
 - (D) Likely to be late

182. ACCESS
- (A) Angle
 - (B) Reach
 - (C) Debate
 - (D) Break

183. LEAP
- (A) Sleep
 - (B) Bleach
 - (C) Jump
 - (D) Leave

Directions (Qs. 184 to 186) : In these questions out of the four alternatives choose the correctly spelt word.

184. (A) Foreiner
(B) Foriegon
(C) Foreinor
(D) Foreigner

185. (A) Character
(B) Charecter
(C) Charactor
(D) Charectar

186. (A) Improvment
(B) Improvement
(C) Improvmant
(D) Improvemant

Directions (Qs. 187 to 190) : Fill in the blank with the appropriate word chosen from the alternatives.

187. Why don't you sit _____ me ?
 (A) next (B) along
 (C) beside (D) close
188. Two busses collided _____ each other near the stadium.
 (A) with (B) into
 (C) over (D) at
189. He must _____ his bad habits, if he wants to join us.
 (A) give away (B) give in
 (C) give (D) give up
190. You must adapt yourself _____ your new surroundings.
 (A) in (B) by
 (C) with (D) to

Directions (Qs. 191 to 193) : In these questions, out of the four alternatives choose the one which can be substituted for the given words/sentence.

191. One who cannot read and write
 (A) Deaf (B) Dumb
 (C) Illiterate (D) Blind
192. One whose wife is dead
 (A) Widow (B) Widower
 (C) Celibate (D) Divorcee
193. One who believes in God
 (A) Secularist (B) Autocrat
 (C) Agnostic (D) Theist

Directions (Qs. 194 to 196) : In these questions, choose the word opposite in meaning to the given word.

194. SEIZE
 (A) Suppress (B) Celebrate
 (C) Release (D) Promise
195. BLEAK
 (A) Brown (B) Secret
 (C) Calm (D) Bright
196. WORTH
 (A) Useless (B) Familiar
 (C) Wonderful (D) Harmless
197. Rhyming word to 'Soon' is
 (A) Gun (B) Can
 (C) Moon (D) Plan
198. "The river Ganga is held to be the most sacred of all the rivers." – Give the positive degree of the above.
 (A) Very few rivers are held to be as sacred as Ganga
 (B) River Ganga is held to be more sacred than any other river
 (C) No other river is held to be as much sacred as the river Ganga
 (D) None of the above
199. "Sagar performed the Yajna and handed over the kingdom to Anshuman."
 The above sentence is a
 (A) Simple sentence
 (B) Complex sentence
 (C) Exclamatory sentence
 (D) Compound sentence
200. Plural of "mouse" is
 (A) Mouses (B) Mice
 (C) Mouse (D) None of these