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-8/STENO/X-14

Serial No.

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POST CODE / पोस्ट कोड :
91/09, 92/09, 41/13, 50/13, 59/13

Write here Roll number and Answer-Sheet No.
यहाँ क्रमांक एवं उत्तर–पत्रिका संख्या लिखें

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 वन–टियर परीक्षा	अधिकतम अंक : 200

SEAL

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

1. 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

2. All questions are compulsory and carry equal marks.
3. The paper carries negative markings. For each wrong answer 0.25 mark will be deducted.
4. In case of any discrepancy between the English and Hindi versions of any question, the English version will be treated as final/authentic.
5. 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.
6. 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.
7. Use of Calculator/Palmtop/Laptop/Other Digital Instrument/ Mobile/Cell Phone/Pager is not allowed.
8. Candidates found guilty of misconduct/using unfair means in the Examination Hall will be liable for appropriate penal/legal action.
9. 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.
10. No Rough Work is to be done on the Answer-Sheet.

उम्मीदवारों के लिए महत्त्वपूर्ण अनुदेश

1. इस पुस्तिका में कुल 200 प्रश्न है, किनमें निम्नलिखित भाग शामिल है :

क्रमांक	परीक्षण विषय	प्रश्नों की संख्या	पृष्ठ क्रमांक
i)	सामान्य जानकारी	40	4 – 9
ii)	सामान्य बुद्धिमता 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

2. सभी प्रश्न अनिवार्य है तथा सभीके बराबर अंक है ।
3. प्रश्न पत्र में नकारात्मक अंकन होगा । हर गलत उत्तर के लिए 0.25 अंक काटा जायेगा ।
4. यदि किसी प्रश्न के हिन्दी तथा अंग्रेजी अनुवाद में कोई अंतर है तो अंग्रेजी अनुवाद को ही सही समझा जायेगा ।
5. 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 दिए गए स्थान पर उत्तर–पत्रिका की संख्या लिखें । अन्यथा आपकी उत्तर–पत्रिका को जाँचा नहीं जायेगा और शून्य अंक दिया जायेगा ।
6. इस पुस्तिका से कोई पन्ना फाड़ना या अलग करना मना है । परीक्षा–भवन छोड़ने से पहले उत्तर–पत्रिका निरीक्षक के हवाले कर दें ।
7. कैलकुलेटर/पामटॉप/लैपटॉप/अन्य डिजिटल उपकरण/मोबाइल/सेल फोन/ पेजर का उपयोग वर्जित है ।
8. परीक्षा–भवन में अनुचित व्यवहार एवं कार्य के लिए दोषी पाये गये अभ्यर्थी मुक्तिसंगत दंडनीय/वैधानिक कार्यवाही के पात्र होंगे ।
9. 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 ।
10. कोई एक कार्य उत्तर–पत्रिका पर नहीं करना है ।

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

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i) General Awareness

1. Which of the following languages is NOT included in the Eighth Schedule of the Indian Constitution ?
   (A) English   (B) Sindhi
   (C) Sanskrit   (D) Hindi

2. Who appoints the Comptroller and Auditor General of India ?
   (A) Union Public Service Commission
   (B) President of India
   (C) Union Law Minister
   (D) Prime Minister

3. Who is the present Central Government Minister for Chemicals and Fertilizers ?
   (A) Mr. Ramvilas Paswan
   (B) Mr. Ravi Shankar Prasad
   (C) Mr. Ananthkumar
   (D) Mr. N. J. Gadkari

4. Who is the Chief Minister of Telengana ?
   (A) Mr. Chandrababu Naidu
   (B) Mr. Jagan Reddy
   (C) K. Somashekhar Rao
   (D) K. Chandrashekhar Rao

5. Capital of Mizoram is
   (A) Imphal   (B) Aizawal
   (C) Dispur   (D) Agartala

6. From May 10 to 11, 2014 the 24th ASEAN Summit was held in
   (A) Myanmar   (B) Thailand
   (C) Indonesia   (D) Singapore

7. Which one among the following pairs is NOT correctly matched ?
   (A) Union List : Banking
   (B) State List : Agriculture
   (C) Concurrent List : Marriage
   (D) Residuary List : Education

8. The names of Yamanaka and Gurdon are related to
   (A) Induced stem cell technique
   (B) Cell cycle regulation studies
   (C) Genome sequencing of virus
   (D) Protein engineering

9. Who among the following Governor-Generals formed the Triple Alliance against Tippu Sultan ?
   (A) Warren Hastings
   (B) Lord Cornwallis
   (C) Lord Wellesley
   (D) Lord William Bentinck

10. Which of the following lakes is the oldest in the world and it is the deepest fresh water lake ?
    (A) Lake Titicaca
    (B) Lake Baikal
    (C) Lake Chillika
    (D) Lake Superior

11. Which of the following diseases is NOT a vector-borne disease ?
    (A) Polio   (B) Malaria
    (C) Leishmaniasis   (D) Filaria
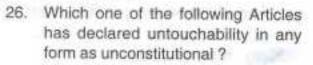
12. Low levels of HDL and high levels of LDL increase the risk of
    (A) Cancers
    (B) Blood pressure
    (C) Diabetes
    (D) Coronary artery disease

13. Who among the following freedom fighters was associated with the foundation of Bharatiya Vidya Bhavan ?
    (A) Madan Mohan Malviya
    (B) Acharya Narendra Dev
    (C) K. M. Munshi
    (D) J. B. Kripalani

A*

14. To further cement business ties between both the countries, South Africa will grant visas to Indian businessmen within _____ of submitting an application.
    (A) four days
    (B) four weeks
    (C) three months
    (D) six weeks

15. In which state, ruling left front has won the assembly election for the consecutive fifth term ?
    (A) Meghalaya   (B) Tripura
    (C) Nagaland   (D) Mizoram

16. The first woman Chief Minister of Gujarat who has replaced Mr. Narendra Modi is
    (A) Sumitra Mahajan
    (B) Vasundara Raje
    (C) Anandiben Patel
    (D) Kamla Beniwal

17. The autobiography of which prominent Indian is sub-titled "My Music, My Life" and has an introduction by Yehudi Menuhin ?
    (A) Balamurali Krishna
    (B) Yesudas
    (C) Amjad Khan
    (D) Ravi Shankar

18. Which six hundred year old temple in Deshnoke is well known for the large number of rats who are called "Kabas" and routinely venerated ?
    (A) Pathni Mata Temple
    (B) Karni Mata Temple
    (C) Rajni Mata Temple
    (D) None of these

19. The boundary line demarcating India and China is known as
    (A) McMahon Line
    (B) Mt. Everest Line
    (C) Nehru-Chou Enli Line
    (D) Gandhi-Chou Line

20. ISRO launched PSLV-c 20 with SARAL and six other satellites from
    (A) Chandipore
    (B) Sriharikota
    (C) Visakapatnam
    (D) None of these

21. Which of the following is NOT a cause for the present global warming and climate change ?
    (A) Carbon dioxide
    (B) CFC emission
    (C) Devaluation
    (D) Methane emission

22. Right to Information in India is a part of
    (A) Fundamental Right
    (B) Legal Right
    (C) Neither Fundamental nor Legal Right
    (D) None of these

23. Uttar Kashi is situated on the banks of the river
    (A) Alaknanda   (B) Bhagirathi
    (C) Ganga   (D) Mandakini

24. Which of the following is known as the Morning Star ?
    (A) Jupiter   (B) Mars
    (C) Mercury   (D) Venus

25. How many bright stars are there in the constellation named 'Ursa Major' or the 'Great Bear' ?
    (A) 7   (B) 8
    (C) 9   (D) 10

A*

26. Which one of the following Articles has declared untouchability in any form as unconstitutional ?
    (A) Article 14   (B) Article 17
    (C) Article 44   (D) Article 45

27. Dada Saheb Phalke Award is given for outstanding contribution in the field of
    (A) Cinema   (B) Sport
    (C) Social Service   (D) Science

28. The host for 2014 FIFA World Cup is
    (A) Germany   (B) Argentina
    (C) Brazil   (D) Spain

29. The winner of National Film Award, namely, Golden Lotus Award for 2014 for Best Direction is
    (A) Hansal Mehta
    (B) Bijukumar Damodaran
    (C) Satish Manwar
    (D) Nishtha Jain

30. The title of Miss India World 2014 is won by
    (A) Gail Da'selva
    (B) Jhatalekha Malhotra
    (C) Koyal Rana
    (D) Navneet Kaur Dhillon

31. Dandia is the folk dance of
    (A) Panjab   (B) Gujarat
    (C) Haryana   (D) Maharastra

32. On June 29, 2014 who defeated Spain's Carolina Marin to win women's singles of Australian Badminton open ?
    (A) P. V. Sindhu   (B) Wang Yihan
    (C) Tine Baun   (D) Saina Nehwal

33. Sathya Nadella is the C.E.O. of
    (A) IBM   (B) WIPRO
    (C) MICROSOFT   (D) CITY BANK

34. The concept of Anuvratha was advocated by
    (A) Mahayana Buddhism
    (B) Hinayana Buddhism
    (C) Jainism
    (D) The Lokayata School

35. The Bronze icons of Nataraja cast during the Chola period invariably show the deity with
    (A) eight hands   (B) six hands
    (C) four hands   (D) two hand

36. Large scale warfare is going on in _____ between the supporters of Shia led government and Sunni Militants.
    (A) Pakistan   (B) Iran
    (C) Iraq   (D) Saudi Arabi

37. Recently RBI has set a deadline of Jan. 1, 2015 for the public to exchange currency notes printed before _____ including ₹ 500 and ₹ 1,000 denomination.
    (A) 2000   (B) 2005
    (C) 2003   (D) 1995

38. Bhagavad Gita consists of _____ verses.
    (A) 700   (B) 670
    (C) 650   (D) 600

39. Which is the oldest known computation tool used by mankind ?
    (A) Calculator   (B) Compute
    (C) Abacus   (D) Transisto

40. As an experimental test, India's first semi high speed train successfully ran between _____ on 3-7-2014.
    (A) Mumbai-Thane
    (B) Mumbai-Poona
    (C) Delhi-Lucknow
    (D) Delhi-Agra

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ii) General Intelligence and Reasoning Ability

41. Which is the one that does not belong to the group ?
    (A) Dinar
    (B) Door
    (C) Doller
    (D) Rupee

42. Three of the following four are alike in a certain way and so form a group. Which is the one that does NOT belong to that group ?
    (A) 125
    (B) 27
    (C) 100
    (D) 64

43. "GUN" is related to "Bullet" in the same way as "CHIMNEY" is related to
    (A) House
    (B) Roof
    (C) Smoke
    (D) Ground

44. In a certain code "ROUTE" is written as "47289" and "GEAR" is written as "5914". How is "GATE" written in that code ?
    (A) 5187
    (B) 5189
    (C) 5289
    (D) 5429

45. How many meaningful english words can be made with the letters TMEA using each letter only once in each word ?
    (A) 4
    (B) 3
    (C) 2
    (D) 6

46. Which is the one that does NOT belong to the group ?
    (A) Saucer
    (B) Mug
    (C) Jar
    (D) Jug

47. ABC : BCD : : PQR : _____
    (A) QRS
    (B) RST
    (C) RSQ
    (D) STU

48. 'Medicine' is to 'sickness' as 'Book' is to
    (A) Story
    (B) Ignorance
    (C) Author
    (D) Brake

49. 'Dumb' is to 'speech' as _____ is to 'sight'.
    (A) Deaf
    (B) Hearing
    (C) Blind
    (D) Lame

50. Court : Justice : : School : ?
    (A) Education
    (B) Building
    (C) Ground
    (D) Plan

Directions (Qs. 51 to 55) : Select the related word/number/letters from the given alternatives.

51. 8 : 64 :: 17 : ?
    (A) 118
    (B) 289
    (C) 288
    (D) 324

52. INTIMATE : UNFAMILIAR :: ?
    (A) Interior : Internal
    (B) Interested : Indifference
    (C) Forbear : Patience
    (D) Popular : Friendly

53. PIN : NIP :: TRIP : ?
    (A) TOUR
    (B) RACE
    (C) PIRT
    (D) RIPT

54. CDE : ZXY :: ECD : ?
    (A) YZX
    (B) XYZ
    (C) ZYX
    (D) YXZ

55. FRUIT : JUICE :: COCONUT : ?
    (A) TREE
    (B) OIL
    (C) BRANCH
    (D) TEMPLE

Directions (Qs. 56 to 58) : Which one of the given responses would be a meaningful order of the following words in ascending order ?

56. 1. Grand father
    2. Son
    3. Father
    4. Grandson
    (A) 4, 2, 1, 3
    (B) 3, 4, 2, 1
    (C) 4, 2, 3, 1
    (D) 1, 2, 3, 4

57. 1. Doctor
    2. Disease
    3. Cure
    4. Medicine
    5. Diagnosis
    (A) 2, 3, 1, 5, 4
    (B) 2, 1, 5, 4, 3
    (C) 4, 3, 5, 1, 2
    (D) 2, 3, 5, 1, 4

58. 1. Study
    2. Admission
    3. Job
    4. Result
    5. Examination
    (A) 1, 5, 4, 2, 3
    (B) 2, 3, 4, 5, 1
    (C) 3, 4, 5, 2, 1
    (D) 2, 1, 5, 4, 3

59. Which of the following words will appear fourth in the dictionary ?
    (A) Negotiate
    (B) Neighbor
    (C) Neither
    (D) Negative

60. Which of the following words will appear first in the dictionary ?
    (A) Sanskrit
    (B) Sanctity
    (C) Sanction
    (D) Sanatorium

A*

61. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?

r – rs – srr – ss –

(A) rsrs
(B) rrss
(C) ssrr
(D) srsr

62. Find the missing number from the given responses.

9 8 7
5 6 8
3 5 ?
11 9 13

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

63. 18   16   14   7
      9   8   7   10
     45   40   ?   24

(A) 30
(B) 21
(C) 35
(D) 28

64. Naveen travelled from point P to point Q which is at a distance of 7 feet from P. He then travelled 6 feet to his right and then turned to left and went 4 feet. Finally he again went 6 feet to his left. How far is he from the point Q now ?

(A) 6 feet
(B) 4 feet
(C) 7 feet
(D) 10 feet

65. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

17*8*2*1*20

(A) + ÷ – =
(B) ÷ + = –
(C) + – ÷ =
(D) – + ÷ =

66. Some equations are solved on the basis of a certain system. On the same basis find out the correct answer for the unsolved equation.

If $7 \times 3 = 12$; $6 \times 5 = 03$ what is $8 \times 10 = ?$

(A) 80
(B) 01
(C) 08
(D) 81

67. Y is 4 km to the East of X which is to the North of Z. If P is 6 km to the East of Z, then in which direction of Y is P ?

(A) South
(B) South-East
(C) South-West
(D) West

68. Lekhana is shorter than Charithra but taller than Namitha. Amritha is the tallest. Rekha is a little shorter than Charithra and little taller than Lekhana. If they stand in the order of increasing heights who will be the second ?

(A) Rekha
(B) Charithra
(C) Namitha
(D) Lekhana

69. If M stands for "multiplication", D for "division", A for "addition", G for "greater than", and L for "less than", then which of the following will be logically correct ?

(A) 20 A 4 D 4 L 4 A 6 D 2
(B) 20 D 5 A 4 L 4 A 2 M 3
(C) 20 D 5 G 8 D 4 A 6 M 2
(D) 20 A 2 G 10 M 3 A 12 D 2

70. Five people were climbing up a hill. John was following Ahmed. Ram was ahead of Govind. Naveen was between Govind and Ahmed. If they were climbing up in a column, with John at the lowest, who was second from the highest ?
   - (A) Govind
   - (B) Ram
   - (C) Naveen
   - (D) Ahmed

71. Sakshi remembers that Amith's birthday is after 10th but before 13th March, whereas Rekha remembers that Amith's birthday is after 11th but before 15th March. If both are correct, on which day is Amith's birthday ?
   - (A) 14th March
   - (B) 11th March
   - (C) 12th March
   - (D) 13th March

72. Of the six towns, A is bigger than B, C is bigger than D, E is NOT as big as C but bigger than B and B is smaller than D but bigger than F. Which is the smallest ?
   - (A) C
   - (B) D
   - (C) B
   - (D) F

73. In a certain code, 'ble nee see' means "where are you" and 'nee tim see' means "who are you", what is the code for 'where' ?
   - (A) nee
   - (B) ble
   - (C) tim
   - (D) see

74. Find the word which cannot be made from the letters of the given word ANDROCLES ?
   - (A) ROADS
   - (B) ROSELAND
   - (C) LANDER
   - (D) DREAMS

75. In a certain coding system EDUCATION is coded as 531278946. How will you code NOTICE in that system ?
   - (A) 648935
   - (B) 649825
   - (C) 648925
   - (D) 643965

Directions (Qs. **76** to **78**) : Read the following statements and answer the questions that follow.

Nine friends are sitting together in a theatre in one row. They are J, K, L, M, N, O, P, Q and R. 'L' is at the right of 'M' and at the third place at the right of 'N'. 'K' is one end of the row. 'Q' is immediately next to 'O' and 'P'. 'Q' is at third place at the left of 'K'. 'J' is right next to the left of 'O'.

76. Who is sitting in the centre among these friends ?
   - (A) L
   - (B) J
   - (C) O
   - (D) M

77. Friends sitting on the right of 'O' are
   - (A) JPK
   - (B) JQK
   - (C) QPK
   - (D) KRP

78. Who is at the other end of this row of friends ?
   - (A) R
   - (B) M
   - (C) L
   - (D) N

79. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded in that system ?
   - (A) VXFFHVV
   - (B) VXEEHVV
   - (C) VYEEHVV
   - (D) VYEFIVV

80. A is the father of B, C is the brother of A and D is the sister of B. If E is the father of A, then describe the relationship between D and C.
   - (A) Daughter and Father
   - (B) Niece and Uncle
   - (C) Sister and Brother
   - (D) Wife and Husband

iii) Arithmetical and Numerical Ability

81. The speeds of P and Q are in the ratio 3 : 4. P takes 20 minutes more than Q to reach a destination. In what time does P reach the destination ?

    (A) $1\frac{1}{3}$ hours

    (B) 1 hour

    (C) $2\frac{2}{3}$ hours

    (D) $1\frac{2}{3}$ hours

82. A person covers half of his journey at 6 km/hr. and the remaining half at 3 km/hr. His average speed is

    (A) 4.5 km/hr.
    (B) 4 km/hr.
    (C) 3.5 km/hr.
    (D) 9 km/hr.

83. The length of a rectangle is increased by 10% and breadth is decreased by 10%. Then the area of the new rectangle is

    (A) Neither decreased nor increased
    (B) Increased by 1%
    (C) Decreased by 1%
    (D) Decreased by 10%

84. ₹ 395 are divided among P, Q and R in such a way that Q gets 25% more than P and 20% more than R. The share of P will be

    (A) ₹ 180
    (B) ₹ 195
    (C) ₹ 120
    (D) ₹ 98

85. Out of 7 given numbers, the average of the first four numbers is 21 and that of last four numbers is also 21. If the average of all the seven numbers is 20, the fourth number is

    (A) 30
    (B) 28
    (C) 32
    (D) 21

86. When an article was sold, there was a loss of 10%. If its selling price was increased by ₹ 30, there would have been a profit of 10%. Find its cost price.

    (A) ₹ 150
    (B) ₹ 130
    (C) ₹ 110
    (D) ₹ 200

87. $\sqrt{5\left(2\frac{3}{4} - \frac{3}{10}\right)} = ?$

    (A) $2\frac{1}{2}$

    (B) 3

    (C) $3\frac{1}{2}$

    (D) $4\frac{1}{4}$

88. The smallest number which when divided by 42 and 54 leaves the remainders 34 and 46 respectively is

    (A) 378
    (B) 388
    (C) 384
    (D) 370

A*

89. The greatest number which when divides 590, 908 and 1014 leaves the same remainder each time is
    (A) 106
    (B) 104
    (C) 108
    (D) 102

90. Four bells are ringing at intervals of 12, 16, 24 and 36 minutes. They start ringing simultaneously at 12 O'clock. When will they again ring together ?
    (A) 2.28 P.M.
    (B) 2.48 P.M.
    (C) 2.24 P.M.
    (D) 2.44 P.M.

91. $7 - 5 \times 2$ of $3 + \left(19 - \overline{7-4}\right) \div 4 = $?
    (A) 16
    (B) -19
    (C) 22
    (D) 19

92. A passenger train, 150 m long, passes a railway platform, 200 m long, in 35 seconds. Time taken by this train to pass a stationary man is
    (A) 36 sec.
    (B) 20 sec.
    (C) 18 sec.
    (D) 15 sec.

93. If $A : B = 8 : 9$, $B : C = 15 : 16$, $A : C = $?
    (A) 6 : 7
    (B) 3 : 4
    (C) 1 : 2
    (D) 5 : 6

94. 108 kg of ration is sufficient for 18 students for 15 days. For how many students will 70 kg of ration be sufficient for 25 days ?
    (A) 7
    (B) 8
    (C) 9
    (D) 10

95. 3 men and 4 boys can complete a certain work in 28 days, where as 4 men and 6 boys can complete the same work in 20 days. According to the amount of work done, one man is equivalent to how many boys ?
    (A) $1\frac{1}{2}$
    (B) 2
    (C) $2\frac{1}{2}$
    (D) 3

96. A man is 24 years older than his son. In 2 years, his age will be twice the age of his son. What is the present age of the son ?
    (A) 20 yrs.
    (B) 25 yrs.
    (C) 22 yrs.
    (D) 24 yrs.

97. The ratio of incomes of A and B is 5 : 6. If A gets ₹ 1,100 less than B, their total income in rupees is
    (A) 9,900
    (B) 12,100
    (C) 14,400
    (D) 10,000

98. The ratio in which tea costing ₹ 192 per kg is to be mixed with tea costing ₹ 150 per kg so that the mixed tea, when sold for ₹ 194.40 per kg, gives a profit of 20% is
    (A) 2 : 5
    (B) 3 : 5
    (C) 5 : 3
    (D) 5 : 2

A*

99. The ratio of the volume of a cube to that of a sphere, which will exactly fit inside the cube, is
   (A) $4 : \pi$
   (B) $5 : 3\pi$
   (C) $6 : \pi$
   (D) $4 : 3$

100. Gangamma and Paravva, working separately can mow a field in 8 and 12 hours separately. If they work in stretches of one hour alternately, Gangamma beginning at 9 A.M., when will the mowing be completed ?
   (A) 6 P.M.
   (B) 6.30 P.M.
   (C) 5 P.M.
   (D) 5.30 P.M.

101. A and B start together from the same place in the same direction to go round a circular path. If A takes 10 minutes and B takes 15 minutes to make one complete round, they will meet after
   (A) 30 minutes
   (B) 33 minutes
   (C) 40 minutes
   (D) 45 minutes

102. Two trains of equal length, running in opposite directions, pass a pole in 18 and 12 seconds. The trains will cross each other in
   (A) 16.6 secs.
   (B) 15.5 secs.
   (C) 14.4 secs.
   (D) 17.7 secs.

103. Two iron shots each of diameter 6 cm are immersed in the water contained in a cylindrical vessel of radius 6 cm. The level of the water in the vessel will be raised by
   (A) 1 cm
   (B) 3 cm
   (C) 6 cm
   (D) 2 cm

104. A certain amount was to be distributed among A, B and C in the ratio 2 : 3 : 4 respectively, but was erroneously distributed in the ratio 7 : 2 : 5 respectively. As a result of this, B got ₹ 40 less. What is the amount ?
   (A) ₹ 210
   (B) ₹ 270
   (C) ₹ 230
   (D) ₹ 280

105. What is the difference between the simple and compound interest on ₹ 7,000 at the rate of 6% p.a. in 2 years ?
   (A) ₹ 21.50
   (B) ₹ 25.20
   (C) ₹ 22
   (D) ₹ 20

106. There are 10 teachers including the Head Master. How many committees of 5 teachers with Head Master as the chairman can be made ?
   (A) 136
   (B) 252
   (C) 126
   (D) 200

107. From the digits 5, 6, 7, 4, 1, how many 3 digits even numbers can be formed (without repetition of digits) ?
   (A) 24
   (B) 10
   (C) 20
   (D) 60

108. Three circles with centres A, B and C touch each other externally. If AB = 9 cm, BC = 7 cm and AC = 8 cm, the radius of the largest circle is
   (A) 6 cm
   (B) 4 cm
   (C) 4.5 cm
   (D) 5 cm

A*

109. Raju has to leave office exactly after 20 minutes to exactly catch a train which leaves station at 6.40 p.m. and it is 5.45 p.m. now. How much time does it take to travel from office to the station ?
   (A) 55 minutes
   (B) 1 hour
   (C) 35 minutes
   (D) 30 minutes

110. Jeevan deposited ₹ 7,800 in fixed deposit which will earn him 10% simple interest. After every second year, he will convert his interest earnings into deposits. How much will he get as interest in the fourth year ?
   (A) ₹ 1,038
   (B) ₹ 3,432
   (C) ₹ 780
   (D) ₹ 3,342

111. $\dfrac{(12^2 - 8^2) \times 10}{\sqrt{20^2 \times 2^2}} = ?$
   (A) 20
   (B) 10
   (C) 5
   (D) −12

112. Vaishnavi travelled a distance of 20 km to the South and from there 40 km to the East, from there 50 km to the North. How far is she now from her starting point ?
   (A) 30 km
   (B) 40 km
   (C) 50 km
   (D) 20 km

113. Median of 7, 12, 15, 22, 6, 20, 8, 4 and 10 is
   (A) 15
   (B) 10
   (C) 12
   (D) 8

114. The ratio of the volumes of two spheres is 125 : 64. The ratio of the radii of these spheres is
   (A) 25 : 8
   (B) 5 : 8
   (C) 15 : 8
   (D) 5 : 4

115. To a circle of radius 5 cm, a tangent is drawn from a point which is 13 cm away from its centre. The length of this tangent is
   (A) 10 cm
   (B) 11 cm
   (C) 12 cm
   (D) 10.5 cm

116. $\sqrt[3]{5} \times \sqrt{2} = ?$
   (A) $\sqrt{10}$
   (B) $\sqrt[3]{10}$
   (C) $\sqrt[6]{20}$
   (D) $\sqrt[6]{200}$

117. A dividend of 9% was declared on ₹ 100 share selling at a certain price. If the rate of return is 7.5%, the market value of the share is
   (A) ₹ 120
   (B) ₹ 105
   (C) ₹ 110
   (D) ₹ 115

118. How much should a man invest in ₹ 50 share selling at ₹ 60 to obtain an annual income of ₹ 900, if the dividend declared is 15 % ?
   (A) ₹ 7,000
   (B) ₹ 7,100
   (C) ₹ 7,200
   (D) ₹ 7,500

119. In △ABC , AB = 6 cm, BC = 8 cm, AC = 10 cm. If P, Q and R are the mid points of AB, BC and AC respectively, the perimeter of △PQR is
   (A) 24 cm
   (B) 16 cm
   (C) 10 cm
   (D) 12 cm

120. If the order of the matrix A is 3 × 4 and order of matrix B is 4 × 3, order of AB is
   (A) 1 × 3
   (B) 3 × 1
   (C) 3 × 3
   (D) 4 × 4

A*

iv) Test of Language : Hindi

भाषा परीक्षण : हिन्दी

निम्नलिखित प्रश्नों के उत्तर चुनकर लिखिए।

121. 'परमेश्वर' का सही संधि विच्छेद
 (A) पर + ईश्वर
 (B) परम + ईश्वर
 (C) परमे + इश्वर
 (D) परमा + ईश्वर

122. "नेताजी भाषण देते हैं" यह वाक्य किस काल में है ?
 (A) भूतकाल
 (B) वर्तमानकाल
 (C) भविष्यत्काल
 (D) संधिग्धवर्तमानकाल

123. बैंगलोर _____ खर्च चलना मुश्किल था।
 (A) में
 (B) का
 (C) के लिए
 (D) को

124. "53" को हिन्दी में लिखिए
 (A) ५३
 (B) ५६
 (C) ४८
 (D) ५७

125. तुम्हारे बेटों _____ तो कमाई है।
 (A) की
 (B) कि
 (C) को
 (D) ने

126. जो खर्च करता है, उसी _____ देता है।
 (A) का
 (B) को
 (C) से
 (D) पर

127. शेरनी शब्द का अन्य लिंग रूप
 (A) शेरें
 (B) शेर
 (C) शेरनी
 (D) शेरों

128. 'घर' शब्द का अन्य वचन रूप
 (A) घरें
 (B) घरों
 (C) घर
 (D) घराएँ

129. 'भलाई' शब्द का विलोम शब्द
 (A) भलाईपन
 (B) बुराई
 (C) भला
 (D) भुराई

130. हाथ _____ गिलास छूट गया।
 (A) में
 (B) पर
 (C) का
 (D) से

131. थैली _____ पुस्तक है।
 (A) का
 (B) में
 (C) पर
 (D) की

132. माँ _____ बेटे को समझाया।
 (A) ने
 (B) से
 (C) के द्वारा
 (D) के

133. वह गाडी _____ उतरा।
 (A) पर
 (B) के लिए
 (C) से
 (D) में

134. वह अपने गुरु _____ इज्जत करता है।
 (A) की
 (B) का
 (C) को
 (D) के

135. नाव नदी _____ डूब गई।
 (A) पर
 (B) के द्वारा
 (C) से
 (D) में

136. 'कायर' शब्द का विलोम शब्द
 (A) वीर
 (B) मूर्ख
 (C) ज्ञानी
 (D) कायरता

137. 'भैंस' शब्द का अन्य लिंग रूप
 (A) भैंस
 (B) भैंसे
 (C) बैल
 (D) भैंसा

138. उसे पद _____ हटा दिया गया।
 (A) से
 (B) में
 (C) पर
 (D) के लिए

139. साहित्य समाज _____ दर्पण है।
 (A) के लिए
 (B) पर
 (C) का
 (D) के

140. यह पाँच रुपए _____ नोट है।
 (A) का
 (B) की
 (C) कि
 (D) से

141. युवक _____ कपडे फट गए।
 (A) से
 (B) की
 (C) के
 (D) का

142. गीता _____ पुस्तक मेरे पास है।
 (A) कि
 (B) की
 (C) के
 (D) का

143. उसने राम _____ पूछा ।
   (A) में
   (B) की
   (C) के लिए
   (D) से

144. मुंबई जाने _____ केवल दो दिन शेष है ।
   (A) में
   (B) के लिए
   (C) से
   (D) पर

145. पेड़ _____ फल गिरता है ।
   (A) पर
   (B) में
   (C) से
   (D) के द्वारा

146. 'हाथ मलना' मुहावरे का अर्थ
   (A) रहस्य खुलना
   (B) पोल खुलना
   (C) क्रोध करना
   (D) पछताना

147. 'पाठक' शब्द का अन्य लिंग
   (A) पाठिका
   (B) पाठक
   (C) पाठीका
   (D) पाठके

148. समुद्र _____ लहरें उठती हैं ।
   (A) के
   (B) से
   (C) में
   (D) के द्वारा

149. 'अश्व' शब्द का समानार्थक शब्द
   (A) घोडा
   (B) हाथी
   (C) रथ
   (D) बैल

150. मोहन चाकू _____ फल काट रहा है ।
   (A) पर
   (B) से
   (C) में
   (D) को

151. वह सौ मीटर _____ दौड़ दौड़ेगा ।
   (A) पर
   (B) में
   (C) कि
   (D) की

152. घर _____ सब कुशल है ।
   (A) में
   (B) पर
   (C) से
   (D) की

153. आईने _____ क्या दोष ?
   (A) पर
   (B) की
   (C) का
   (D) में

154. 'आचार्य' शब्द का अन्य लिंग
   (A) आचार्य
   (B) आचारिन
   (C) आचारी
   (D) आचार्या

155. माँ _____ लोरी सुनाई ।
   (A) ने
   (B) से
   (C) पर
   (D) की

निम्नलिखित अनुच्छेद पढ़कर उस पर आधारित प्रश्नों के उत्तर लिखिए ।

राजा राममोहन राय बचपन से ही बड़े प्रतिभाशाली थे । उनके पिता ने उनकी पढ़ाई का समुचित प्रबंध किया । गाँव की पाठशाला में उन्होंने बंगला सीखी । उन दिन कचहरियों में फारसी का बोलबाला था । अथवा उन्होंने घर पर ही मौलवी से फारसी पढ़ी । नौ वर्ष की उम्र में वे अरबी की उच्च शिक्षा के लिए पटना भेजे गए । वहाँ वे तीन वर्ष तक रहे । उन्होंने कुरान का मूल अरबी में अध्ययन किया । बारह वर्ष की उम्र में वे काशी गए । चार वर्ष तक वहाँ उन्होंने संस्कृत का अध्ययन किया । इस बीच उन्होंने भारतीय दर्शन का भी अध्ययन किया ।

156. राजा राममोहन राय की पढ़ाई की व्यवस्था किसने की ?
   (A) पाठशाला ने
   (B) पिता ने
   (C) उन्होंने
   (D) अध्यापक ने

157. राजा राममोहन राय ने बंगला कहाँ सीखी ?
   (A) पटना में
   (B) घर में
   (C) गाँव की पाठशाला में
   (D) काशी में

158. उन्होंने अरबी की शिक्षा कहाँ से प्राप्त की ?
   (A) पाठशाला में
   (B) पिताजी से
   (C) कचहरि में
   (D) पटना में

159. बारह वर्ष की उम्र में वे कहाँ गए ?
   (A) पटना
   (B) गाँव
   (C) काशी
   (D) कचहरि

160. उन्होंने कितने वर्ष तक संस्कृत का अध्ययन किया ?
   (A) तीन
   (B) चार
   (C) दो
   (D) पाँच

A*

v) **Test of Language : English**
भाषा परीक्षण : अंग्रेजी

Directions (Qs. 161 to 163) : Choose the word opposite in meaning to the given word.

161. CONCEAL
    (A) Converse
    (B) Convey
    (C) Show
    (D) Repair

162. ARID
    (A) Agreeable
    (B) Humid
    (C) Barren
    (D) Productive

163. VIRTUE
    (A) Mischief
    (B) Reward
    (C) Vice
    (D) Vacant

Directions (Qs. 164 to 169) : Choose the appropriate word from the given alternatives to fill in the blank.

164. There is an exception _____ every rule.
    (A) for
    (B) to
    (C) on
    (D) in

165. As the news of the natural _____ spread, offers of relief poured in.
    (A) Misery
    (B) Calamity
    (C) Culture
    (D) Curiosity

166. There is a widespread _____ against the management over the way they have ignored the workers' demands.
    (A) Feeling
    (B) Sentiment
    (C) Resentment
    (D) Sadness

167. The accused _____ that he had met the deceased before.
    (A) Refused
    (B) Exclaimed
    (C) Remarked
    (D) Denied

168. Chitra looks _____ the sapling as if it were her own child.
    (A) upon
    (B) after
    (C) at
    (D) for

169. Because of the poor _____ in the hall, the singers were barely audible.
    (A) Acoustics
    (B) Visibility
    (C) Lighting
    (D) Vision

A*

Directions (Qs. 170 to 173) : In questions 170 to 173, out of the four alternatives, choose the one which best expresses the meaning of the given word.

170. EMPHASISE
   (A) Force
   (B) Stress
   (C) Plead
   (D) Suggest

171. WRATH
   (A) Hatred
   (B) Violence
   (C) Anger
   (D) Jealousy

172. ADEPT
   (A) Expert
   (B) Applaud
   (C) Approve
   (D) Excess

173. INAPT
   (A) Include
   (B) Unfit
   (C) Neglect
   (D) Sharp

Directions (Qs. 174 to 176) : Out of the four alternatives choose the one which can be substituted for the given words/sentence.

174. A general pardon of political offenders.
   (A) Forgiveness
   (B) Clemency
   (C) Generosity
   (D) Amnesty

175. A person who rules without consulting the opinion of others.
   (A) Bureaucrat
   (B) Democrat
   (C) Fanatic
   (D) Autocrat

176. A large cage or enclosure for keeping birds.
   (A) Zoo
   (B) Aquarium
   (C) Aviary
   (D) Farm

Directions (Qs. 177 to 179) : Choose the misspelt word.

177. (A) Teatotaller
   (B) Tedious
   (C) Teething
   (D) Teaser

178. (A) Miserable
   (B) Misdemeanour
   (C) Miscreant
   (D) Mischievious

179. (A) Altruism
   (B) Alltogether
   (C) Allowance
   (D) Allusion

Directions (Qs. 180 to 184) : In these questions some of the sentences have errors. The error, if any, will be in one part of the sentence. Ignore errors in punctuation. When you find an error in any part of the sentence, choose that part as the answer. If there is no error, answer is (D).

180. Do you know whom on the (A)/ audit staff will be assigned (B)/ to handle pension benefits (C) ? / no error (D).

181. At the end of the session, they found that (A) / a majority of the members (B) / was solidly behind him (C) / no error (D).

182. They are forbidden (A) / not to enter the sacred place (B) / and disobedience is punished with death (C) / no error (D).

183. Many a student (A) / are frustrated (B) because of unemployment (C) / no error (D).

184. It is the duty of every right thinking citizen (A) / to try to make the whole world (B) / a happier place to live (C) / no error (D).

Directions (Qs. **185** to **190**) : Choose the correct alternative to fill in the blank.

185. The eminent lawyer _____ his success to his father's guidance.
    (A) Contributes
    (B) Attributes
    (C) Accounts
    (D) Counts on

186. He _____ through the nose for the delay in taking timely action.
    (A) Said
    (B) Saw
    (C) Paid
    (D) Got

187. In our zeal for progress, we should NOT _____ the executive with more powers.
    (A) Avoid
    (B) Give
    (C) Enhance
    (D) Arm

188. The judge used his _____ powers and let off the accused with a reprimand.
    (A) Special
    (B) Discretionary
    (C) Legal
    (D) Absolute

189. This month salaries could NOT be _____ to the staff because the Managing Director had NOT signed the cheques.
    (A) Disbursed
    (B) Made
    (C) Distributed
    (D) Paid

190. A servant is expected to _____ orders of his master.
    (A) Carry on
    (B) Carry for
    (C) Carry out
    (D) Get carried

Directions (Qs. **191** to **195**) : Read the passage carefully and choose the best answer to each question out of the four alternatives.

Today perhaps your only association with the word 'polio' is the Sabin Oral Vaccine that protects children from the disease, Sixty five years ago, this was not so. The dreaded disease, which mainly affects the brain and the spinal cord, causes stiffening and weakening of the muscles, crippling and paralysis - which is why I am in a wheelchair today. If somebody had predicted, when I was born, that this would happen to me, no one

would have believed it. I was the seventh child in a family of four pairs of brothers and sisters, with a huge 23-year gap between the first and the last. I was told that, unlike the others, I was so fair and brown-haired that I looked more like a foreigner than a Dawood Bohri. I was also considered to be the healthiest of the brood.

191. In this passage, the word "brood" refers to
(A) Polio victims
(B) Foreign children
(C) Children in the family
(D) Indian children

192. In his childhood, the narrator looked "more like a foreigner than a Dawood Bohri". This was because he was
(A) A foreign child
(B) A very healthy boy
(C) Tall and smart
(D) Fair and brown-haired

193. In his childhood, the narrator was
(A) A weakling
(B) Very healthy
(C) Tall and slim
(D) Short and stout

194. The narrator was the seventh child in a family of
(A) 8 children
(B) 16 children
(C) 10 children
(D) 4 children

195. In this passage, the narrator is a patient of
(A) Heart disease
(B) Polio
(C) Paralysis
(D) Nervous weakness

196. The plural of "ox" is
(A) Oxes
(B) Oxen
(C) Oxies
(D) Ox

197. Name of the kind of gender of "Doctor"
(A) Masculine gender
(B) Feminine gender
(C) Neuter gender
(D) Common gender

198. An action undertaken long before and which is still going on is said to be of _____ tense.
(A) Present indefinite
(B) Present perfect
(C) Past continuous
(D) Present perfect continuous

199. Past participle of "Sow" is
(A) Sew
(B) Sown
(C) Sowed
(D) Sewn

200. The superlative degree of "Far" is
(A) Farthest
(B) Furthest
(C) Farest
(D) Farthiest

A*

JDD-8/STENO/X-14

IMPORTANT INSTRUCTIONS TO CANDIDATES
उम्मीदवारों के लिए महत्त्वपूर्ण अनुदेश

11. This booklet contains **32** pages.

12. Please check all the pages of the Booklet carefully. In case of any defect, please ask the Invigilator for replacement of the Booklet.

13. **Directions** : Each question or incomplete statement is followed by four alternative suggested answers or completions. In each case, you are required to select the one that correctly answers the question or completes the statement and blacken (●) appropriate circle A, B, C or D by Blue/Black Ball-Point Pen against the question concerned in the Answer-Sheet. **(For V.H. candidates corresponding circle will be blackened by the scribe)**

14. Mark your answer by shading the appropriate circle against each question. The circle should be shaded completely without leaving any space. The correct method of shading is given below.

Wrong Method	Wrong Method	Wrong Method	Correct Method
○⊗○○	○⊘○○	○◉○○	○●○○

The Candidate must mark his/her response after careful consideration.

15. There is only one correct answer to each question. You should blacken (●) the circle of the appropriate column, viz., A, B, C or D. If you blacken (●) more than one circle against any one question, the answer will be treated as wrong. If you wish to cancel any answer, you should completely erase that black mark in the circle in the Answer-Sheet, and then blacken the circle of revised response.

A machine will read the coded information in the OMR Answer-Sheet. In case the information is incomplete/different from the information given in the application form, the candidature of such candidate will be treated as cancelled.

17. Use the space for rough work given in the Question Booklet only and not on the Answer-Sheet.

18. You are NOT required to mark your answers in this Booklet. All answers must be indicated in the Answer-Sheet only.

11. इस पुस्तिका में **32** पेज है ।

12. इस पुस्तिका के सभी पृष्ठों का ध्यानपूर्वक निरीक्षण करें । यदि कोई दोष है, तो निरीक्षक को उसे बदलने के लिए कहें ।

13. **निर्देश :** प्रत्येक प्रश्न अथवा प्रत्येक अधूरे कथन के बाद चार उत्तर अथवा पूरक कथन सुझाये गये हैं । प्रत्येक दशा में आपको किसी एक को चुनना है जो प्रश्न का सही उत्तर दे अथवा कथन को पूरा करें और आपको उत्तर-पत्रिका में उपयुक्त गोलाकार खाने A, B, C या D को नीला या काला बॉल-पॉइन्ट पेन से काला (●) करना है । (दृष्टिबाधित उम्मीदवारों के लिए संगत गोलाकार लिपिक द्वारा काला किया जाए)

14. प्रत्येक प्रश्न के सामने उचित वृत का चिन्हांकन करके अपना उत्तर लिखें । वृत को बिना कोई स्थान छोड़े चिन्हांकित करें । चिन्हांकित करने का सही तरीका नीचे दिया गया है ।

गलत तरीका	गलत तरीका	गलत तरीका	सही तरीका
○⊗○○	○⊘○○	○◉○○	○●○○

अभ्यर्थी को अपना उत्तर ध्यान पूर्वक सोच विचार के उपरान्त चिह्नित करना चाहिए ।

15. प्रत्येक प्रश्न का केवल एक ही सही उत्तर है । आपको समुचित कॉलम अर्थात् A, B, C या D के गोलाकार खाने को काला (●) करना है । यदि आप किसी प्रश्न के सामने एक से अधिक गोलाकार खाने को भरेंगे (●) तो आपका उत्तर गलत माना जायेगा । यदि आप किसी उत्तर को रद्द करना चाहते हैं तो आप उत्तर-पुस्तिका के उस गोलाकार खाने से काले निशान को पूरी तरह से मिटा दें और तब बदले हुए उत्तर के लिए गोलाकार खाने को काला कर दें ।

16. ओ.एम.आर. उत्तर-पत्रिका में भरी गई कूट सूचना को एक मशीन पढ़ेगी । यदि सूचना अपूर्ण है अथवा आवेदन पत्र में दी गई सूचना से भिन्न है, तो ऐसे अभ्यर्थी की अभ्यर्थिता निरस्त समझी जायेगी ।

17. कच्चे कार्य के लिए केवल प्रश्न पत्र में दिए गये स्थान का प्रयोग करें । उत्तर-पुस्तिका पर कच्चा कार्य न करें ।

18. इस पुस्तिका के अन्दर आपको उत्तर अंकित नहीं करने हैं । उत्तर केवल उत्तर-पत्रिका में ही दें ।

Go through instructions given in Page No. 1 (Facing Page)

A*