

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-3/ASUP/X-14

Serial No.

POST CODE : 38/13
पोस्ट कोड

Write here Roll number and Answer-Sheet No.

यहाँ क्रमांक एवं उत्तर-पत्रिका संख्या लिखें

902009

Roll No./ अनुक्रमांक

Answer-Sheet No./ उत्तर-पत्रिका संख्या

Post : **Assistant Superintendent**

पद : सहायक अधीक्षक

Time Allowed : 2 hours

OBJECTIVE TYPE ONE-TIER EXAMINATION

Maximum Marks : 200

निर्धारित समय : 2 घंटे

वस्तुनिष्ठ वन-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

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 - 13
ii)	General Intelligence and Reasoning Ability	40	14 - 25
iii)	Arithmetical and Numerical Ability	40	26 - 37
iv)	Test of Language : Hindi	40	38 - 42
v)	Test of Language : English	40	43 - 47

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 हैं, जिनमें निम्नलिखित भाग शामिल हैं :

क्रमांक	परीक्षण विषय	प्रश्नों की संख्या	पृष्ठ क्रमांक
i)	सामान्य जानकारी	40	4 - 13
ii)	सामान्य बुद्धिमत्ता तथा तार्किक योग्यता	40	14 - 25
iii)	अंकगणितीय एवं संख्यात्मक योग्यता	40	26 - 37
iv)	भाषा परीक्षण : हिन्दी	40	38 - 42
v)	भाषा परीक्षण : अंग्रेजी	40	43 - 47

2. सभी प्रश्न अनिवार्य हैं तथा सबके बराबर अंक हैं ।
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 युक्तिसंगत 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 रफ कार्य उत्तर-पत्रिका पर नहीं करना है ।

Go through instructions given in Page No. 48 (Back Cover Page)

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i) General Awareness

1. Who among the following is a famous sports person ?
(A) Saina Nehwal
(B) Ajit Singh
(C) Kim Jong-un
(D) Charles Correa
2. Yoshihiko Noda who was on a visit to India recently is the present Prime Minister of
(A) South Korea
(B) North Korea
(C) Japan
(D) Myanmar
3. Trade name 'Dunlop' is associated with
(A) Wool
(B) Chocolate
(C) Rubber goods
(D) Shoe polish
4. Capital of Portugal is
(A) Prague
(B) Lisbon
(C) Kabul
(D) Tripoli
5. Which of the following awards is given to the coaches of sports persons ?
(A) Arjuna Award
(B) Dada Saheb Palke Award
(C) Kalidas Samman
(D) Dronacharya Award
6. The legislature (Parliament) of U.S.A. is called
(A) Diet
(B) Bundest
(C) Congress
(D) Yuan
7. Which of the schemes launched by the Government of India is aimed at developing rural infrastructure ?
(A) MNREGA
(B) Bharat Nirman
(C) ASHA
(D) Operation Blackboard
8. Name the currency of Japan.
(A) Jen
(B) Yuan
(C) Rouble
(D) Yen

A*

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9. Which of the following is not a Banking or Finance Company ?
- (A) Lufthansa
 - (B) Thomas Cook
 - (C) Barclay
 - (D) American Express
10. Speed of a ship is expressed in
- (A) Kilometre
 - (B) Knot
 - (C) Horse Power
 - (D) Coulomb
11. Martyrs' day is observed on
- (A) May 1
 - (B) Oct. 24
 - (C) April 1
 - (D) Jan. 30
12. The erst while UTI Bank is presently known as
- (A) ING Vysya Bank
 - (B) United India Bank
 - (C) AXIS Bank
 - (D) UNI Bank
13. If a ship moves from fresh water into sea water, it will
- (A) sink completely
 - (B) sink a little bit
 - (C) rise a little higher
 - (D) remain unaffected
14. Mr. X was advised by an architect to make outer walls of his house with hollow bricks. The correct reason is that such walls
- (A) make the building stronger
 - (B) help keeping inside cooler in summer and warmer in winter
 - (C) prevent seepage of moisture from outside
 - (D) protect the building from lightning
15. Which one among the following would expand the most on being heated ?
- (A) Water
 - (B) Alcohol
 - (C) Glass
 - (D) Air
16. Which of the following awards is given for excellence in literature ?
- (A) Dhanwantri Award
 - (B) Arjun Award
 - (C) Jnanpith Award
 - (D) Borlaug Award
17. Who was the first winner of Dada Saheb Phalke Award ?
- (A) Devika Rani
 - (B) Kannan Devi
 - (C) Prithvi Raj Kapoor
 - (D) B. N. Sarkar

A*



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18. The UN General Assembly meets regularly
- (A) once a month
 - (B) after every three months
 - (C) twice a year
 - (D) once a year
19. 'Bihu' is a folk dance from
- (A) Tamil Nadu
 - (B) Assam
 - (C) Kerala
 - (D) Orissa
20. Who invented the ball-point pen ?
- (A) Newton
 - (B) Curie
 - (C) Lazzlo Biro
 - (D) Baird
21. During whose reign did the Gandharva School of Art develop ?
- (A) Kanishka
 - (B) Ashoka
 - (C) Chandragupta
 - (D) Harsha

22. NASA is related to
- (A) USA
 - (B) UK
 - (C) Russia
 - (D) Japan
23. Who revealed that MPs were bribed to support the UPA government during the trust vote in 2008 ?
- (A) Facebook
 - (B) Twitter
 - (C) Google
 - (D) WikiLeaks
24. Bats can fly in dark because they
- (A) have strong wings
 - (B) have sharp eyes
 - (C) produce ultrasonic waves
 - (D) are nocturnal
25. White blood cells act
- (A) as a defence against infection
 - (B) as source of energy
 - (C) for clotting blood
 - (D) as a medium for oxygen transport from lung to tissues

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26. Which one of the following is an indigenously built light combat aircraft of India ?
- (A) Akash
(B) Vikrant
(C) Tejas
(D) Arjun
27. Mahe, which is situated on the Malabar on Western Ghats, is a part of
- (A) Puducherry
(B) Tamil Nadu
(C) Maharashtra
(D) Kerala
28. Under Right to Education Act, the children of which of the following age groups are eligible to get free education ?
- (A) Upto 5 years
(B) Between 6 and 10 years
(C) Between 8 and 12 years
(D) Between 6 and 14 years
29. Which of the following Muslim rulers remained in the captivity of his son ?
- (A) Akbar
(B) Aurangzeb
(C) Shahjahan
(D) Jahangir
30. Which of the following is not a writ provided in the Constitution of India ?
- (A) Mandamus
(B) Quo Warranto
(C) Injunction
(D) Habeas Corpus
31. A stick immersed in water appears bent due to the phenomena of
- (A) Reflection of light
(B) Diffraction of light
(C) Refraction of light
(D) Dispersion of light
32. Some of the rock-cut temples, known as the seven pagodas, were built by the
- (A) Pallavas
(B) Cholas
(C) Rashtrakutas
(D) None of these
33. The Tropic of Cancer passes through
- (A) India and Saudi Arabia
(B) India and Iran
(C) Iran and Pakistan
(D) None of these

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34. A line on a meteorological map joining places of equal rainfall is called
- (A) Isoclinic
 - (B) Isobar
 - (C) Isogenic
 - (D) Isohyet
35. The Mudgal Committee Report was submitted to the Ministry of Information and Broadcasting on Oct. 10, 2013. This committee is related to
- (A) Cinematograph
 - (B) Banking and Finance
 - (C) Cricket match
 - (D) Election procedure
36. The Present Chairman of ISRO is
- (A) Mr. Deviprasad Karnik
 - (B) Mr. K. Radhakrishnan
 - (C) Dr. C. N. R. Rao
 - (D) Mr. Ranga Rajan

37. On Dec. 28, 2013, who was sworn in as the 7th Chief Minister of Delhi ?
- (A) Mr. Najeeb Jung
 - (B) Ms. Kiran Bedi
 - (C) Mr. Arvind Kejriwal
 - (D) Mr. Somnath Bharti
38. Who won Miss Earth 2013 title on Dec. 7, 2013 ?
- (A) Alyz Henrich
 - (B) Cathrine Choi
 - (C) Punika
 - (D) Katia Wagner
39. Among the materials listed below, sound travels the fastest in
- (A) Hydrogen
 - (B) Vacuum
 - (C) Steel
 - (D) Water
40. Chandragupta Maurya was the
- (A) Great-grand father of Ashoka
 - (B) Brother of Ashoka
 - (C) Father of Ashoka
 - (D) Grandfather of Ashoka

A*

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ii) General Intelligence and Reasoning Ability

41. If NAXALITE is written in a certain code as LYVYJGRC, how INTEGRATE be written in the same code ?

- (A) LGRECYPRC
- (B) GLRCEPYRC
- (C) PYWMNOPQR
- (D) BLACKHOLE

Directions (Q. 42 to 44) : In each of these questions is given a statement followed by the courses of action numbered I, II and III. A course of action is a step or administrative decision to be taken for improvement, follow-up etc. You have to assume everything in the statement to be true, then decide which of the given suggested courses of action logically follow(s) for pursuing.

42. **Statement** : The exodus from villages to cities is detrimental to both.

Courses

- of action** :
- I) Rural postings must be made mandatory.
 - II) There should be fewer trains linking cities to smaller places.
 - III) Employment generation scheme should be launched in rural areas.

- (A) Only II and III follow
- (B) Only III follows
- (C) Only I and II follow
- (D) Only II follows

43. **Statement** : Besides looks and appearances, it is also important to develop oneself from within

Courses

- of action** :
- I) One should not pay attention to fashion.
 - II) One should pay attention to fashion.
 - III) Books on self development by make-up should be encouraged.

- (A) Only III follows
- (B) Only II follows
- (C) Only I follows
- (D) Only II and III follow

44. **Statement** : Poverty is increasing because the people, who are deciding how to tackle it, know absolutely nothing about the poor.

Courses

- of action** :
- I) The decision makers should go to the grass root levels.
 - II) The decision makers should not compel the poor to become rich.
 - III) The decision makers should consult the rich.

- (A) Only III follows
- (B) Only II follows
- (C) Only I follows
- (D) Only II and III follow

A*



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45. In a certain coding system, RBM STD BRO PUS means "the cat is beautiful". TNH PUS DIM STD means "the dog is brown". PUS DIM BRO PUS CUS means "the dog has the cat". What is the code for "has" ?
- (A) DIM
(B) BRO
(C) STD
(D) CUS
46. Three of the following are alike in a certain way and form a group. Find the odd one out.
- (A) Bird
(B) Worm
(C) Aeroplane
(D) Kite
47. How many meaningful words can be formed with all the letters of EAML ?
- (A) 3
(B) 2
(C) 4
(D) 1
48. In a class of 35 students, Kishan is placed 7th from the bottom whereas Arun is placed 9th from the top. Mohan is placed exactly in between the two. What is Kishan's position from Mohan ?
- (A) 13
(B) 11
(C) 10
(D) 9

49. If table is called chair, chair is called cot, cot is called pot and pot is called filter, where does a person sit ?
- (A) Chair
(B) Cot
(C) Pot
(D) Filter

Directions : (Q. 50 to 54) : Read the information given below and then answer the questions that follow :

There are five persons P, Q, R, S and T. One of them is a doctor, one is an engineer and another one is an executive. R and T are unmarried ladies and do not work. None of the ladies is an engineer or a doctor. There is a married couple in which S is the husband. Q is neither an engineer nor an executive and is a male friend of P. S is not an Executive.

50. Who is the doctor ?
- (A) P
(B) S
(C) Q
(D) R
51. Who is the executive ?
- (A) Q
(B) P
(C) S
(D) R

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52. Who is the engineer ?
- (A) S
(B) P
(C) Q
(D) R
53. Who is the wife of S ?
- (A) R
(B) P
(C) T
(D) None of these
54. The three ladies are
- (A) P, Q and T
(B) R, S and Q
(C) Q, P and R
(D) P, R and T
55. Karthik walks 10 m south from his house, turns left and walks 25 m, again turns left and walks 40 m, then turns right and walks 5 m to reach the school. In which direction the school is from his house ?
- (A) South-west
(B) North-east
(C) East
(D) North

Directions (Q. 56 to 59) : Read the following information carefully and answer these questions :

Six boys P, Q, R, S, T and U are marching in a line. They are arranged to their height, the tallest being at the back.

U is between Q and P.

T is shorter than S but taller than R.

T and U have two boys between them.

P is not the shortest among them.

56. Where is T ?
- (A) Between P and Q
(B) Between R and P
(C) Between S and R
(D) In front of R
57. Who is the tallest ?
- (A) Q
(B) S
(C) U
(D) P
58. If we start counting from the shortest, which boy is fourth one in the line ?
- (A) T
(B) P
(C) S
(D) R
59. Who is the shortest ?
- (A) R
(B) S
(C) Q
(D) T

SEAL

SEAL

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SEAL

SEAL

60. If both the statements "All flowers are petals" and "some petals are garlands" are true, then which of the following statements definitely follows ?
- (A) Some garlands are flowers
 - (B) Some flowers are garlands
 - (C) All petals are flowers
 - (D) Some garlands are petals
61. Which is the one that does not belong to the group ?
- (A) Quick
 - (B) Quiet
 - (C) Rapid
 - (D) Brisk
62. Which is the one that does not belong to the group ?
- (A) Violet
 - (B) Indigo
 - (C) Blue
 - (D) Black
63. What will come in place of the question mark in the following series ?
- N5V, K7T, ? , E14P, B19N.
- (A) I10R
 - (B) H10Q
 - (C) H10R
 - (D) H9R

64. If P § Q means P is father of Q, P ≠ Q means P is mother of Q, P * Q means P is sister of Q, then how is Q related to N in N ≠ L § P * Q ?
- (A) Grandson
 - (B) Granddaughter
 - (C) Nephew
 - (D) Either grandson or granddaughter
65. 3, 1, $\frac{1}{3}$, ?
- (A) 9
 - (B) 27
 - (C) $\frac{1}{9}$
 - (D) $\frac{1}{27}$
66. If the following alphabets were written in the reverse order, which will be the seventh letter to the right of the twelfth letter from the left ?
- A B C D E F G H I J K L M N O P Q R
 S T U V W X Y Z
- (A) F
 - (B) G
 - (C) H
 - (D) S

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67. If it is possible to make a meaningful word with the third, the fourth, the fifth, the seventh and the tenth letter of the word PERSONALITY, write the first letter of that word.

- (A) O
- (B) R
- (C) T
- (D) S

68. John is shorter than Nilima. Prathima is taller than John. Subhash is taller than Nilima but shorter than Hema. Nilima is taller than Prathima. Who will be in the middle if they stand in a row according to height ?

- (A) John
- (B) Nilima
- (C) Prathima
- (D) Subhash

69. Ornithologists are related to birds, in the same way anthropologists are related to

- (A) Mankind
- (B) Stars
- (C) Minerals
- (D) Environment

70. Ancient is related to Modern. In the same way, often is related to

- (A) Never
- (B) irregular
- (C) Open
- (D) Seldom

71. If "+" means "x", "-" means "÷", "x" means "+", "÷" means "-", then $(18 + 10 \times 20) - 8 \div 6 = ?$

- (A) 35
- (B) 92
- (C) 19
- (D) 26

72. Which is the one that does not belong to the group ?

- (A) tank
- (B) brook
- (C) pool
- (D) pond

73. Find the fourth term :

$\frac{A3B}{I}, \frac{C5D}{II}, \frac{E7F}{III}, \frac{\dots}{IV}, \frac{I1J}{V}$

- (A) F8G
- (B) G9F
- (C) F10G
- (D) G9H

74. "b" is in "doubt" in the way as "h" is in

- (A) honest
- (B) hope
- (C) enhance
- (D) inhabit

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75. Nayana ranks twenty first in a class of fifty one. What is her rank from the last ?
- (A) 30
(B) 31
(C) 29
(D) 17
76. How many 2's not immediately preceded by 3 but immediately followed by 4 are there in the following series ?
3 4 2 4 4 2 3 2 4 3 2 4 2 3 4 4 2 3 2 4 2
4 3 2 4
- (A) 1
(B) 2
(C) 3
(D) 4
77. Pointing to Satish, Ashok said, "He is my sister's only brother's son". How is Satish related to Ashok ?
- (A) Son
(B) Grandson
(C) Nephew
(D) Cannot be determined
78. Ashok remembers that his mother's birthday is between fourteenth and seventeenth of March. Whereas his sister remembers that their mother's birthday is after fifteenth but before nineteenth of March. Which date in March is their mother's birthday ?
- (A) 14th
(B) 15th
(C) 16th
(D) 17th
79. If sky is called water, water is called green, green is called air, air is called blue, blue is called cloud, where do the fish live in ?
- (A) Air
(B) Sky
(C) Blue
(D) Green
80. In a certain code language POCKET is written as QNDJFS. How is DEAR written in that code ?
- (A) EDBQ
(B) CFBQ
(C) EDCQ
(D) EFBQ

A*

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iii) Arithmetical and Numerical Ability

81. By how much is two thirds of 96 less than three fifths of 210 ?

- (A) 206
- (B) 114
- (C) 62
- (D) $5\frac{5}{8}$

82. $\frac{?}{\sqrt{0.81}} = 450$

- (A) 405
- (B) 4050
- (C) 364.5
- (D) 40.50

83. $9^\circ \times (\sqrt{3} - \sqrt{2})(\sqrt{3} + \sqrt{2}) \times 1^{-1} = ?$

- (A) 10
- (B) $\frac{1}{9}$
- (C) $9\sqrt{3}$
- (D) 1

84. A 250 metres long train speeds past a pole in 12 seconds. What is its speed in kilometres per hour ?

- (A) 7.5
- (B) 50
- (C) 75
- (D) 25

85. Which of the following has the fractions in descending order ?

- (A) $\frac{9}{10}, \frac{19}{20}, \frac{23}{25}$
- (B) $\frac{19}{20}, \frac{23}{25}, \frac{9}{10}$
- (C) $\frac{19}{20}, \frac{9}{10}, \frac{23}{25}$
- (D) $\frac{9}{10}, \frac{23}{25}, \frac{19}{20}$

86. Sathish has $\frac{2}{3}$ as much money as

Charu has, and Charu has $\frac{3}{5}$ as much money as Raju. Raju has ₹ 800. How much money does Sathish have ?

- (A) ₹ 320
- (B) ₹ 480
- (C) ₹ 720
- (D) None of these

87. Sunitha and Priya collected in all 338 flowers in the proportion 8 : 5. How many flowers did Priya collect ?

- (A) 130
- (B) 208
- (C) 26
- (D) 312

A*

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88. $72 \div (3)^2 + (2)^2 = ?$

- (A) 1
- (B) 6
- (C) 2
- (D) 3

89. $A : B = 3 : 2, B : C = 5 : 2, A : B : C = ?$

- (A) 3 : 5 : 2
- (B) 3 : 2 : 5
- (C) 15 : 10 : 4
- (D) 5 : 3 : 1

90. $3x = 5y, 2y = 3z, x : y : z = ?$

- (A) 3 : 5 : 2
- (B) 5 : 3 : 2
- (C) 3 : 2 : 5
- (D) 6 : 10 : 15

91. If the height of a triangle is increased by 40% and its base is decreased by 40%, what will be the effect on its area ?

- (A) No change
- (B) 16% increase
- (C) 10% decrease
- (D) 16% decrease

92. $\frac{?}{32} = \frac{2}{\sqrt{?}}$ what should come in place of the question mark ?

- (A) 8
- (B) 16
- (C) 4
- (D) 12

93. In one kg of mixture of sand and iron, 20% is iron. How much sand should be added, so that the proportion of iron becomes 10% ?

- (A) 1 kg
- (B) 200 gm.
- (C) 1.5 kg
- (D) 800 gm.

94. The cost of 8 dozen of eggs is ₹ 256. Which calculation is needed to find the cost of 9 eggs ?

- (A) $(9 \times 256) \times (8 \div 12)$
- (B) $(12 \times 256) \div (8 \times 9)$
- (C) $(9 \times 256) \div (8 \times 12)$
- (D) $(9 \times 256) \times (8 \times 12)$

SEAL

SEAL



JDD-3/ASUP/X-14

95. The perimeter of a rectangle is 50 cm. Its length is 15 cm. What is the area of this rectangle ?

- (A) 750 sq.cm.
- (B) 150 sq.cm.
- (C) 300 sq.cm.
- (D) 600 sq.cm.

96. The area of a circle is 154 sq.cm. What is the length of its diameter ?

- (A) 14 cm
- (B) 7 cm
- (C) 28 cm
- (D) 10 cm

97. Three circles with centres P, Q and R touch each other externally. The perimeter of $\Delta PQR = 18$ cm. Radius of each circle is

- (A) 2 cm, 5 cm, 4 cm
- (B) 3 cm, 4 cm, 6 cm
- (C) 3 cm, 4 cm, 1 cm
- (D) 2 cm, 3 cm, 4 cm

98. The area of a square field is 289 sq.m. Find the cost of fencing this field at the rate of ₹ 200 per metre.

- (A) ₹ 20,000
- (B) ₹ 3,600
- (C) ₹ 13,600
- (D) ₹ 2,890

99. The face value of a share is ₹ 100. It is sold at a discount of ₹ 5. How many such shares can be bought by investing ₹ 38,000 ?

- (A) 200
- (B) 400
- (C) 300
- (D) 500

100. 35 students of a class have passed in Science. 30 have passed in Maths. 25 have passed in both Science and Maths. Find the total number of students of this class.

- (A) 60
- (B) 65
- (C) 55
- (D) 40



JDD-3/ASUP/X-14

101. A car covers a distance in 3 hours at the speed of 124 kms/hr. What is the average speed of a truck which travels a distance of 120 kms less than the car in the same time ?

- (A) 88 km/hr.
- (B) 84 km/hr.
- (C) 78 km/hr.
- (D) 73 km/hr.

102. The average of four consecutive odd numbers P, Q, R and S respectively is 54. What is the product of P and R ?

- (A) 2907
- (B) 2703
- (C) 2805
- (D) 2915

103. What is the least number to be added to 3000 to make it a perfect square ?

- (A) 191
- (B) 136
- (C) 25
- (D) 84

104. The sum of 55% of a number and 40% of the same number is 180.5. What is 80% of that number ?

- (A) 152
- (B) 134
- (C) 148
- (D) 166

105. What would be the compound interest obtained on an amount of ₹ 5,000 at the rate of 8% p.a. for a period of 2 years ?

- (A) ₹ 823
- (B) ₹ 832
- (C) ₹ 850
- (D) ₹ 800

106. The ratio between the radii of two circles is 3 : 5. What is the ratio of their areas ?

- (A) 6 : 10
- (B) 9 : 16
- (C) 9 : 25
- (D) 6 : 25

JDD-3/ASUP/X-14



107. Peter sold an item for ₹ 4,510 and incurred a loss of 45%. At what price should he have sold the item to have gained a profit of 45% ?
- (A) ₹ 10,900
(B) ₹ 12,620
(C) ₹ 12,890
(D) ₹ 11,890
108. What will come in place of the question mark ?
- 5, 15, 35, 75, 155, ?
- (A) 295
(B) 315
(C) 305
(D) 275
109. The length and breadth of a play ground are 36 m and 21 m respectively. Flag staffs are required to be fixed all along the boundary at a distance of 3 m apart. The number of flag staffs required is
- (A) 36
(B) 37
(C) 38
(D) 39
110. Tap P takes 5 hours to fill a tank. Tap Q takes 4 hours to fill the same tank. How much time is required to fill the tank if both the taps are used simultaneously ?
- (A) 3 hours
(B) $2\frac{2}{9}$ hours
(C) $2\frac{1}{2}$ hours
(D) $3\frac{1}{9}$ hours
111. 10 persons take 18 days to complete a job. How many additional persons are necessary to complete the same job in 15 days ?
- (A) 5
(B) 12
(C) 6
(D) 2
112. If $P = 97$ and $Q = 3$, what is the value of $P^2 + 2PQ + Q^2$?
- (A) 9000
(B) 10000
(C) 9700
(D) 10100

A*



JDD-3/ASUP/X-14

113. P can complete a work in 10 days. Q can complete the same work in 15 days. Find the ratio of their capacities for work.
- (A) 2 : 3
(B) 2 : 5
(C) 3 : 2
(D) 5 : 3
114. The ratio of the lengths of the sides of a right angled triangle is
- (A) 2 : 3 : 4
(B) 5 : 6 : 7
(C) 3 : 4 : 5
(D) 4 : 5 : 6
115. In a class room, there are 40 girls and 30 boys. The average weight of the girls is 50 kg. The average weight of all the students is 60 kg. Then the average weight of boys (in kg) is
- (A) $73\frac{1}{3}$ kg
(B) $65\frac{1}{3}$ kg
(C) 73.5 kg
(D) $72\frac{1}{3}$ kg
116. There are 6 players including Raju. How many teams of 4 of these players including Raju can be made ?
- (A) 20
(B) 25
(C) 30
(D) 15
117. The ratio of P and Q is 8 : 5. By adding which least number, ratio of P and Q becomes 4 : 3 ?
- (A) 5
(B) 4
(C) 3
(D) 6
118. How many 3 digit even numbers can be formed using the digits 5, 4, 2 and 7 without repetition ?
- (A) 10
(B) 11
(C) 12
(D) 15
119. By selling an article for ₹ 30 which is also its marked price, a shop keeper gains 20%. During a clearance sale, the shop keeper allows a discount of 10% of the marked price. His gain percent during the sale season is
- (A) 7
(B) 7.5
(C) 9
(D) 8
120. The age of a man is 3 times that of his son. 15 years ago, the man was 9 times as old as his son. What will be the age of the man after 15 years ?
- (A) 45 yrs.
(B) 60 yrs.
(C) 75 yrs.
(D) 65 yrs.

A*

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iv) Test of Language : Hindi

भाषा परीक्षण : हिन्दी

121. बिजली _____ आविष्कार

- किसने किया ।

(A) ने

(B) के

(C) का

(D) में

122. '57' को हिन्दी में _____ कहते हैं ।

(A) सत्तावन

(B) अट्ठावन

(C) सैंतालीस

(D) उनतालीस

123. मैं गाने का _____ करता हूँ ।

(A) प्रश्न

(B) पढ़ाई

(C) शाला

(D) अभ्यास

124. 'प्रदेशिक' शब्द का शुद्ध रूप _____

(A) प्रादेशिक

(B) प्रादेशीक

(C) प्रादेशिका

(D) प्रदेशिक

125. 'माताजी ने पत्र लिखा' यह वाक्य

_____ काल में है ।

(A) वर्तमान काल

(B) भूतकाल

(C) भविष्यत्काल

(D) सामान्य वर्तमान काल

126. 'रंक' शब्द का अर्थ _____

(A) निर्दयी

(B) गरीब

(C) उच्चवर्ग

(D) नीचवर्ग

127. 'पेड़' का समानार्थक शब्द _____

(A) पौधा

(B) डाली

(C) वृक्ष

(D) टहनी

128. पेड़ _____ पत्ता गिरा ।

(A) पर

(B) में

(C) से

(D) को

129. 'अन्धो में काना राजा' कहावत का अर्थ _____

- (A) दुगुना लाभ होना
- (B) धीरे-धीरे हिम्मत बढ़ना
- (C) दिखावा करना
- (D) मूर्खों में तनिक ज्ञान वाले को पंडित मानना

130. 'शिष्य' शब्द का अन्यलिंग रूप _____

- (A) शिष्ये
- (B) शीष्या
- (C) शिष्या
- (D) शिष्यी

131. 'कवि + इंद्र' = कवींद्र यह _____ संघी है।

- (A) गुण संघी
- (B) वृद्धि संघी
- (C) सवर्णदीर्घ संघी
- (D) यण् संघी

132. 'आँख' शब्द का अर्थ देनेवाला सही शब्द _____

- (A) नेतृ
- (B) नेत्र
- (C) नेतर
- (D) नेर्त

133. राम काला कलूटा आदमी है इसमें

'काला कलूटा' शब्द _____

- (A) संज्ञा
- (B) सर्वनाम
- (C) विशेषण
- (D) क्रिया

134. इनमें अननुरूप (विजातीय) शब्द पहचानिए

- (A) छात्र
- (B) शिक्षक
- (C) विद्यार्थी
- (D) शिष्य

135. जो परिश्रम करेगा _____ सफल होगा।

- (A) तो
- (B) वे
- (C) वही
- (D) वे ही

136. 'और' का समानार्थक शब्द _____

- (A) यहाँ
- (B) या
- (C) वहाँ
- (D) व

A

SEAL

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137. प्रतिदिन होनेवाले अथवा छपनेवाले पत्रिका को _____ कहते है।
- (A) दैनिक
(B) दैहिक
(C) साप्ताहिक
(D) वार्षिक
138. 'सस्ता' शब्द का विलोम शब्द _____
- (A) दुगुना
(B) महँगा
(C) त्रुटि
(D) सस्ती
139. परीक्षा _____ खूब नकल किया।
- (A) से
(B) पर
(C) ने
(D) में
140. तुम लोगों _____ बड़ी ताकत है।
- (A) पर
(B) में
(C) से
(D) ने
141. भाषा के _____ भेद हैं।
- (A) तीन
(B) चार
(C) एक
(D) दो
142. हिन्दी भाषा की लिपि _____
- (A) देवनागरी
(B) ब्राह्मी
(C) संस्कृत
(D) सदुक्कडी
143. 'मीठा' शब्द का भाववाचक संज्ञा रूप _____
- (A) मीठापन
(B) मिठास
(C) मीठी
(D) मिठाई
144. " $3\frac{3}{4}$ " को हिन्दी में _____ कहते हैं।
- (A) पौना तीन
(B) तीन पौन
(C) पौने चार
(D) सवा तीन
145. 'सलिल' शब्द का सही अर्थ _____
- (A) मालिक
(B) सरल
(C) पानी
(D) आग

A*



146. 'रामावतार' का सही संधी विच्छेद _____

- (A) रामे + अवतार
- (B) रामाव + तार
- (C) राम + अवतार
- (D) रामा + अवतार

147. छात्र नेता _____ कहा।

- (A) ने
- (B) में
- (C) के
- (D) से

148. किनारे _____ आपके साथी राह देखते होंगे।

- (A) से
- (B) पर
- (C) के
- (D) के लिए

149. दोष मन का था, शरीर _____ नहीं।

- (A) के
- (B) पर
- (C) का
- (D) में

150. बाल _____ जड बहुत गहरी नहीं होती।

- (A) पर
- (B) का
- (C) की
- (D) को

151. 'बादशाह' शब्द का अन्य लिंग रूप _____

- (A) बादशाही
- (B) बादशहिन
- (C) बेगम
- (D) बादशहिनी

152. उस लडकी _____ बुलाओ।

- (A) से
- (B) का
- (C) को
- (D) की

153. "अनेक" शब्द का विलोम शब्द _____

- (A) अनेकानेक
- (B) दो
- (C) शून्य
- (D) एक



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154. '46' को हिन्दी में _____ लिखते हैं ।
(A) ६३
(B) ४६
(C) ४३
(D) ४७
155. जीवन नदी _____ प्रवाह की तरह है ।
(A) के
(B) की
(C) के लिए
(D) के द्वारा
156. उसके सीने _____ दर्द उठने लगता है ।
(A) पर
(B) में
(C) से
(D) को

157. 'पंडित' शब्द का अन्यलिङ्ग रूप _____
(A) पंडितिन
(B) पंडिताईन
(C) पंडिताइन
(D) पंडिती
158. आँखों _____ आँसू झलक पड़ते हैं ।
(A) पर
(B) में
(C) से
(D) ने
159. कैंसर सबसे भयानक _____ है ।
(A) दर्द
(B) बहस
(C) बुखार
(D) रोग
160. "शातिर" शब्द का अर्थ _____
(A) चालाक
(B) व्यभिचारी
(C) जेलर
(D) संगीन

v) Test of Language : English

भाषा परीक्षण : अंग्रेजी

Directions (Q. 161 to 167) : In these questions, which of the phrases (A), (B), (C) and (D) given below each sentence should replace the phrase printed in CAPITAL LETTERS to make the sentence grammatically correct ?

161. BEING A PLEASANT MORNING, he went out for a walk along the sea shore.

- (A) With a pleasant morning
- (B) It being a pleasant morning
- (C) Being a pleasing morning
- (D) As a pleasant morning

162. Where the distance is not too much, I prefer walking on foot THAN WAITING FOR a bus.

- (A) than wait for
- (B) than to waiting for
- (C) to waiting for
- (D) than to wait for

163. I AM WORKING on the job since last Monday.

- (A) I was working
- (B) I have been working
- (C) I being worked
- (D) I were to have worked

164. May I know WHOM I AM TALKING to ?

- (A) who I am talking
- (B) to whom I am talking
- (C) who I have talked
- (D) no correction required

165. We are happy to recommend that his son TO BE CONSIDERED FOR the post.

- (A) consider for
- (B) be considered with
- (C) be considered for
- (D) may consider for

166. A majority of the students believes that the examinations ARE UNNECESSARY

- (A) have been not necessary
- (B) have unnecessary
- (C) are being unnecessary
- (D) no correction required

167. NO SOONER THE ADVERTISEMENT APPEARED in the newspapers than there was a rush on the booking window.

- (A) No sooner had the advertisement appear
- (B) The advertisement appear no sooner
- (C) No sooner did the advertisement appear
- (D) No correction required

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Directions (Q. 168 to 171) : In each of these questions, a sentence is given in which there are two blank spaces. Below each sentence there are four pairs of words denoted by the letters A, B, C and D. Find out which pair of words can be filled up in the blanks to make the sentence meaningfully complete.

168. He was _____ by letter that he had _____ selected.
- (A) informed, been
(B) told, not
(C) stated, finally
(D) communicated, not
169. There is so much of _____ between the two sisters that it is _____ to know one from the other.
- (A) equality, easy
(B) similarity, obvious
(C) resemblance, difficult
(D) identity, impossible
170. The Vidhana Sabha voted to _____ the ban _____ drinking.
- (A) invoke, for
(B) repeal, on
(C) refrain, from
(D) revoke, of
171. The teacher _____ his students _____ being late to school.
- (A) shouted, at
(B) taught, for
(C) reminded, with
(D) reprimanded, for



Directions (Q. 172 to 180) : In the following passage there are blanks each of which has been numbered. These numbers are printed below the passage and against each, four words are suggested, one of which fits the blank appropriately. Find out appropriate word in each case.

When the world was much younger, the ruler of all India, Raja Balhait was concerned about his people. A new game of dice, called nard, had (172) the imagination of his subjects, teaching them that chance alone - a roll of the dice - guided the (173) of men. All who played this game of fortune lost their (174) in the virtues of courage, prudence, wisdom and hope. It bred a fatalism that was (175) the spirit of the kingdom.

Raja Balhait commissioned Sissa, an intelligent courtier to find an answer to this (176). After much (177) the clever Sissa invented another game, chaturanga, the exact (178) of nard, in which the four elements of the Indian army were the key pieces. In the game these pieces chariots, horses, elephants and foot soldiers - joined with a royal counsellor to defend their king and defeat the enemy. Forceful (179) was demanded of the players - not luck, chaturanga soon became popular than nard, and the (180) to the kingdom was over.

172. (A) propelled
(B) enshrined
(C) captured
(D) enhanced

A*



- 173. (A) communities
- (B) ways
- (C) groups
- (D) destinies

- 174. (A) faith
- (B) peace
- (C) happiness
- (D) wealth

- 175. (A) appalling
- (B) crushing
- (C) promoting
- (D) moistening

- 176. (A) apprehension
- (B) risk
- (C) problem
- (D) destiny

- 177. (A) deliberation
- (B) absorption
- (C) reluctance
- (D) hesitation

- 178. (A) nature
- (B) picture
- (C) replica
- (D) opposite

- 179. (A) fortune
- (B) concentration
- (C) attack
- (D) prediction

- 180. (A) threat
- (B) nuisance
- (C) anxiety
- (D) impeachment

Directions (Q. 181 to 187) : In each of these items a word has been underlined followed by words listed A, B, C and D. Choose the appropriate word most opposite in meaning to the underlined word and mark your answer accordingly.

- 181. There was an obscure cave on the other side of the hill.
 - (A) infamous
 - (B) well-known
 - (C) dark
 - (D) hidden

- 182. All these measures will augment employment.
 - (A) diminish
 - (B) increase
 - (C) circumscribe
 - (D) enlarge

- 183. Everybody called it a lavish party.
 - (A) wasteful
 - (B) expensive
 - (C) frugal
 - (D) profuse

- 184. Her manner has always been hostile to him.
 - (A) good
 - (B) bad
 - (C) friendly
 - (D) fair

SEAL

SEAL



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185. Popular fiction in a sense has enriched world literature.

- (A) impoverished
- (B) improved
- (C) enshrined
- (D) engaged

186. The two brothers were distinct in everything : dress, manners, hair-style and food-habits.

- (A) opposite
- (B) different
- (C) unlike
- (D) similar

187. This is a trivial matter.

- (A) small
- (B) important
- (C) easy
- (D) difficult

Directions (Q. 188 to 193) : Each of the following items in this section consists of a sentence, the parts of which have been jumbled. These parts have been underlined and labelled P, Q, R and S. Given below each sentence are four sequences namely A, B, C and D. You are required to re-arrange the jumbled parts of the sentence and select the proper sequence and choose your answer accordingly.

188. We agreed with (P) the manner in which you said it (Q) but we objected to (R) what you said (S)

The proper sequence should be :

- (A) PSQR
- (B) SPQR
- (C) SPRQ
- (D) PSRQ

189. The Indian woman wants in a male-dominated society (P) as an equal partner (Q) and it is not too much to demand (R) her rightful place (S)

The proper sequence should be :

- (A) SRPQ
- (B) RSQP
- (C) SQPR
- (D) QPSR

190. The management having agreed (P) the workers called off the strike (Q) to increase their wages (R) and returned to work (S)

The proper sequence should be :

- (A) PRQS
- (B) PQRS
- (C) PSRQ
- (D) SPQR

191. The natives of Caribbean regarded the papaya (P) because of its ability (Q) as a magic tree (R) to keep them healthy (S).

The proper sequence should be :

- (A) PRSQ
- (B) PRQS
- (C) RPQS
- (D) RPSQ

192. It is for a man (P) when he accompanies a lady (Q) as accepted custom (R) to open the door (S)

The proper sequence should be :

- (A) PSQR
- (B) RPSQ
- (C) PSRQ
- (D) RPQS



193. It is a wonder that migratory birds (P) without ever getting lost (Q) always manage to find their home (R) flying thousands of kilometers (S)

The proper sequence should be :

- (A) PQRS
- (B) SPQR
- (C) SQRP
- (D) PSQR

Directions (Q. 194 to 197) : Each question in this section has a sentence with three underlined parts labelled A, B and C. Read each sentence to find out whether there is any error in any underlined part and select that part as your answer. If you find no error, your answer should be (D).

- 194. I should do (A) / the same (B) / if I were in your place (C) / No error (D)
- 195. Mahatma Gandhi's entire life (A) / was an unrelenting experiment (B) / on truth (C) / No error (D)
- 196. How is that neither your friend Mahesh (A) / nor his brother Ramesh (B) / have protested against this injustice ? (C) / No error (D)
- 197. The media of films has been accepted by all (A) / as the most powerful force (B) / that influences the younger generation (C) / No error (D)

Directions (Q. 198 to 200) : Below given passage is followed by questions based on the passage. Read the passage and answer the questions that follow.

My father was passionate about two things : education and socialism. He was himself a born teacher. Indeed, he could never

restrain himself from teaching, and as a small boy I was frequently embarrassed by his desire to instruct everybody - people in railway carriages for instance - though I realised even then that it was an innocent desire, quite free from vanity. He was equally ready to receive instruction, education, to men of his generation and temperament, was something it has largely ceased to be nowadays. It was the great golden gateway to the enchanted realms of the mind.

- 198. The author wants us to know that his father
 - (A) was a school teacher
 - (B) was an educationist and socialist
 - (C) used to travel a lot
 - (D) loved teaching
- 199. The author often felt embarrassed by the behaviour of his father because
 - (A) he taught badly
 - (B) he taught even at odd places
 - (C) he desired to instruct everybody
 - (D) he lost self-control while teaching
- 200. Which of the following is not true in the case of author's father ?
 - (A) He could never restrain himself from teaching
 - (B) He did not like education and socialism
 - (C) He was himself a born teacher
 - (D) He was ready to receive instruction