DO NOT REMOVE THIS SHEET / इस शीट को न फाड़ें

Duration : (1½ Hours / 90 Minutes) समय : (1½ घंटे / 90 मिनट)	Exam Code : परीक्षा कोड : **1402**
No. of Pages / पृष्ठों की संख्या : **88**	Question Booklet No. : प्रश्न-पुस्तिका संख्या :
Roll No. : अनुक्रमांक:	OMR Answer sheet No. OMR उत्तर शीट क्र.
Date of Examination : परीक्षा तिथि :	Total Marks / कुल अंक : **100**
**Candidate's Name / **परीक्षार्थी का नाम	**Candidate's Signature / **परीक्षार्थी का हस्ताक्षर

** As given in application form / ** जैसा आवेदन पत्र में भरा हो

The candidate will first open only the **Yellow** seal and read the complete set of instructions carefully.

परीक्षार्थी पहले केवल **पीली** सील खोलें और सभी निर्देशों को ध्यान से पढ़ें।

The question paper is made up of the following sections as tabulated below :

निम्न तालिका में दर्शाये अनुसार, इस प्रश्न पत्र को निम्नलिखित भागों में विभाजित किया गया है :

Section/भाग	Language/भाषा	No. of Questions/प्रश्नों की संख्या	Pages/पृष्ठ	
			From/से	To/तक
Section - I	English	100	8	20
Section - II	Hindi/हिन्दी	100	21	33
Section - III	Urdu/اردو	100	34	47
Section - IV	Telugu/తెలుగు	100	48	61
Section - V	Kannada/ಕನ್ನಡ	100	62	74
Section - VI	Marathi/मराठी	100	75	86

Write the following 'Paragraph' at the specified place in the OMR Answer-Sheet in your own handwriting.

निम्नलिखित 'पैराग्राफ' को अपनी हस्तलिपि में ओ.एम.आर. उत्तर-पत्रक में दिये गये स्थान में लिखें।

Paragraph : Hard work is key to success. Life is full of twists and turns. Everyone has to struggle in this world to overcome every obstacle in the way to success. For this, hard work is necessary. Without working hard and just by sitting idle it will be hard for one to get success. Therefore everyone should work hard to get success in their life.

SECTION - I
ENGLISH

1. When ants bite, they inject :

   (A) Glacial acetic acid   (B) Methanol

   (C) Formic acid   (D) Stearic acid

2. Which of the following wavelengths will suffer maximum deviation while passing through a prism ?

   (A) Orange   (B) Red   (C) Green   (D) Violet

3. Which of the following is included in the world list of Biosphere Reserve by UNESCO ?

   (A) Kinnur Region   (B) Spiti Valley

   (C) Nallamalai Hills   (D) Sunderbans

4. BCCI was formed in the year :

   (A) 1929   (B) 1947   (C) 1985   (D) 2005

5. National Institute of Immunology is at :

   (A) Chandigarh   (B) Hyderabad   (C) New Delhi   (D) Lucknow

6. Which is the most massive planet in the solar system ?

   (A) Neptune   (B) Saturn   (C) Jupiter   (D) Uranus

7. $(4352 \div 16) - (2385 \div 9) + (2808 \div 13) =$

   (A) 223   (B) 224   (C) 225   (D) 226

8. A national emergency remains in operation with the approval of the parliament for a :

   (A) maximum period of three years

   (B) maximum period of one year

   (C) maximum period of six months

   (D) indefinite period

9. Which among the following non-metals is a liquid ?

(A) Bromine   (B) Carbon   (C) Phosphorus   (D) Sulphur

10. The yellow and orange colour of fruits and flowers are mainly due to :

(A) Leucoplast   (B) Chloroplast

(C) Aleuroplast   (D) Chromoplast

11. The light emitted by fire-fly is due to :

(A) a radioactive substance   (B) chemi-luminescence process

(C) burning of phosphorus   (D) photoelectric process

12. Chipko movement is :

(A) A movement of political strength   (B) An environmental movement

(C) A movement for independence   (D) None of the above

13. When is the International Labour Day ?

(A) 15th April   (B) 12th December   (C) 1st May   (D) 31st May

14. The largest gold producing country in the world is :

(A) Brazil   (B) Canada   (C) South Africa   (D) USA

15. 'DEVADAS' was written by :

(A) Sharat Chandra Chatterjee   (B) Rabindranath Tagore

(C) Sumitranandan Pant   (D) Arundhati Roy

16. A, B, C can together do a work in 4 days. A by himself can do the same work in 12 days and B can do in 10 days. How long C takes to do the work by himself ?

(A) 10 days   (B) 15 days

(C) 20 days   (D) None of the above

17. Which among the following are the southern most hills ?

(A) Cardamom Hills   (B) Javadi Hills

(C) Nallamalai Hills   (D) Nilgiri Hills

18. In which country did the Industrial Revolution begin in the year 1750 ?

    (A)   France   (B)   Italy   (C)   Germany   (D)   England

19. Full form of ICRA is :

    (A)   Investment Credit and Rating Accounting

    (B)   Investment Credit and Rating Assessment

    (C)   Investment Credit and Rating Analysis

    (D)   None of the above

20. Which one of the following covers the highest percentage of forest area in the world ?

    (A)   Temperate Coniferous forests   (B)   Temperate Deciduous forests

    (C)   Tropical Monsoon forests   (D)   Tropical Rain forests

21. The most abundant rare gas in the atmosphere is :

    (A)   He   (B)   Ne   (C)   Ar   (D)   Xe

22. The average weight of 6 men is 65 kg. Two of them weigh 70 and 48 kg respectively. Then what is the average weight of remaining four ?

    (A)   68 kg   (B)   70 kg   (C)   72 kg   (D)   66 kg

23. When ultraviolet light falls on a metal, it emits :

    (A)   Electrons   (B)   Protons   (C)   Neutrons   (D)   Photons

24. Full form of IRDA is :

    (A)   Insurance Regulatory and Development Authority

    (B)   Industries Regulatory and Development Authority

    (C)   Investments Regulatory and Development Authority

    (D)   None of the above

25. The element which liberates O_2 from water is :

    (A)   P   (B)   N   (C)   F   (D)   I

26. The major constituent of air is :

(A) Nitrogen   (B) Carbon dioxide (C) Oxygen   (D) Hydrogen

27. 65536, 256, 16, _____ .

(A) 7   (B) 2   (C) 3   (D) 4

28. What is the name of computer mistake ?

(A) Bee   (B) Ant   (C) Bug   (D) Fly

29. In a village, 18% of population are children and 10% children are female. If the number of female children is 90, what is the population of the village ?

(A) 4,000   (B) 5,000   (C) 6,000   (D) 7,000

30. $5234.99 + 813.1 - 192.100 + 314.0001 =$

(A) 61699.9010   (B) 616.9990   (C) 6169.9910   (D) 6169.9901

31. The technique of recording and reproducing three dimensional images of objects is known as :

(A) Audiography   (B) Photography
(C) Holography   (D) Lexicography

32. How much time the Sun's rays take to reach the earth ?

(A) 10 minutes   (B) 8 minutes   (C) 2 minutes   (D) 50 seconds

33. A Trader purchased 2 washing machines each for ₹ 9,000. He sold one at loss of 10% and other at a gain of 10%. What is the gain or loss percent ?

(A) loss 10%   (B) gain 10%   (C) loss 5%   (D) no loss, no gain

34. With which one of the following dance forms is Madhavi Mudgal associated ?

(A) Bharatanatyam (B) Odissi   (C) Kathak   (D) Kathakali

35. Dry point settlement are common in :

(A) Deserts   (B) Plateaus
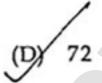(C) Mountain regions   (D) Deltas

36. The 2001 census was the :

    (A) 11th census   (B) 12th census   (C) 13th census   (D) 14th census

37. The disease elephantiasis is caused by :

    (A) Housefly   (B) Culex mosquito

    (C) Anopheles mosquito   (D) Lack of vitamin-B

38. ₹ 720 is divided between 2 men, 5 women and 8 boys so that the share of a man, a woman and a boy are in the proportion of 3 : 2 : 1. How much money each boy got ?

    (A) ₹ 24   (B) ₹ 45   (C) ₹ 30   (D) ₹ 72

39. Near which city are Ellora caves ?

    (A) Malegaon   (B) Aurangabad   (C) Nashik   (D) Ahmednagar

40. In which year was the battle of Talikota fought ?

    (A) 1526   (B) 1565   (C) 1757   (D) 1576

41. The Scheduled Castes and Scheduled Tribes constitute _____ and _____% of Indian population.

    (A) 8.2%, 16.2%   (B) 16.2%, 20.2%

    (C) 20.2%, 16.2%   (D) 16.2%, 8.2%

42. The only planet in the solar system which rotates on its axis from east to west is :

    (A) Saturn   (B) Mercury   (C) Venus   (D) Uranus

43. Which one of the following chemical compounds is responsible for the stimulation of tearglands by the onion ?

    (A) A phosphate compound   (B) A chloride compound

    (C) A sulphide compound   (D) A nitrate compound

44. $729 \times 16 \times 2 \div 25 =$

    (A) 900.12   (B) 911.12   (C) 922.12   (D) 933.12

45. The coil in a heater is made of :

(A) Nichrome   (B) Tungsten   (C) Copper   (D) Iron

46. Michael Ferreira is associated with which of the following games ?

(A) Chess

(B) Snooker

(C) Golf

(D) None of the above

47. Monsoon winds fall in the category of :

(A) Planetary winds

(B) Local winds

(C) Periodic winds

(D) None of the above

48. The change of the position of an object is known as :

(A) Velocity

(B) Acceleration

(C) Displacement

(D) None of the above

49. Which of the following is not the unit of time ?

(A) Solar day

(B) Parallactic second

(C) Leap year

(D) Lunar month

50. The monk who influenced Ashoka to embrace Buddhism was :

(A) Vishnu Gupta   (B) Upa Gupta   (C) Brahma Gupta   (D) Brihadratha

51. In case the President wishes to resign, to whom he is to address his resignation letter ?

(A) Chief Justice of India

(B) Secretary of Lok Sabha

(C) Vice - President

(D) Prime Minister

52. Who among the following sports personalities is known as the Poyyoli Express ?

(A) Shiny Abraham

(B) P.T. Usha

(C) Jyotirmoyee Sikdar

(D) K.M. Beenamol

53. $2\frac{1}{4} \times 4\frac{8}{4} \times 3\frac{7}{3} =$

(A) 12   (B) 24   (C) 18   (D) 72

54. Over 90% of the world's biomass is in :

(A) Tropical rain forests   (B) Fresh water wet land

(C) Top soils   (D) Oceans

55. $\frac{3}{5} + 1\frac{2}{4} + 5\frac{3}{8} - 4\frac{1}{3} =$
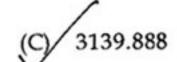
(A) $3\frac{107}{120}$ (B) $3\frac{102}{107}$ (C) $3\frac{17}{120}$ (D) None of these

56. Which of the following is a bacterial disease ?

(A) Measles   (B) Leprosy   (C) Diabetes   (D) Scurvy

57. All bodies large or small fall with the same :

(A) Force   (B) Velocity   (C) Acceleration   (D) Momentum

58. Find the rate of simple interest per annum, if a sum borrowed becomes double in 5 year

(A) 5% p. a   (B) 10% p. a   (C) 15% p. a   (D) 20% p. a

59. $5.8 \times 6.7 \times 10.1 \times 8.0 =$

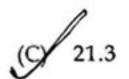(A) 2400.000   (B) 2400.888   (C) 3139.888   (D) 3139.000

60. Which language has recently been conferred the status of classical language ?

(A) Hindi   (B) Marathi

(C) Tamil   (D) None of the above

61. $(119.7 \div 9.5) + (70.56 \div 6.3) - (3.5 \div 1.4) =$

(A) 19.3   (B) 20.3   (C) 21.3   (D) 22.3

62. A, B, C started a business by investing ₹ 10,000, ₹ 20,000 and ₹ 30,000 respectively. At the end of the year, C's share in total profit was ₹ 27,000. Find out the share of 'A' in the total profit.

(A) ₹ 9,000   (B) ₹ 18,000

(C) ₹ 27,000   (D) None of the above

63. Stars appear to move from East to West because :

(A) All stars move from East to West

(B) The earth rotates from West to East

(C) The earth rotates from East to West

(D) The background of the stars move from West to East

64. Which of the following does not admit any division ?

(A) Atom   (B) Molecules   (C) Compounds   (D) All of the above

65. Atmospheric humidity is measured by :

(A) Psychrometer   (B) Anemometer

(C) Lysimeter   (D) Hydrometer

66. A star which appears 'Red' is in its :

(A) First stage   (B) Second stage   (C) Third stage   (D) Fourth stage

67. Equal volumes of all gases under the same temperature and pressure contain equal number of molecules according to :

(A) Avogadro's Law   (B) Charle's Law

(C) Boyle's Law   (D) Graham's Law

68. 'Ceylon' was the old name of :

(A) Singapore   (B) Sri Lanka   (C) Congo   (D) Myanmar

69. The largest amount of physical and chemical molecules present in the cell is :

(A) Carbohydrates   (B) Proteins

(C) Lipids   (D) Nucleic acids

70. The slogan 'Garibi Hatao' was introduced in :

(A) Ninth Five Year Plan   (B) Fourth Five Year Plan

(C) First Five Year Plan   (D) Fifth Five Year Plan

71. In cricket, which of these dismissals is not credited to the bowler ?

(A) Stumped   (B) Run out   (C) LBW   (D) Bowled

72. Every portion in the Universe is surrounded by its own :

(A) Electric field   (B) Gravitational field

(C) Both (A) and (B)   (D) None of the above

73. Chinnaswami stadium for playing cricket is in :

(A) Chennai   (B) Hyderabad

(C) Bengaluru   (D) Thiruvananthapuram

74. $\left[2\frac{1}{2} \times 3\frac{2}{4} \right] + \left[1\frac{2}{5} \times 1\frac{1}{5} \right] =$

(A) $\dfrac{43}{100}$ (B) $1\dfrac{43}{100}$ (C) $1\dfrac{100}{43}$ (D) $\dfrac{100}{43}$

75. By what name is the river Brahmaputra known in Tibet ?

(A) Vangtse klang   (B) Tsang Po   (C) Chomolungma   (D) Drunk yul

76. Which metal is commonly used as an electromagnet ?

(A) Copper   (B) Iron   (C) Nickel   (D) Cobalt

77. Full form of HDFC is :

(A) Hindustan Development Finance Corporation

(B) Housing Development Financial Corporation

(C) Housing Development Finance Company

(D) Housing Development Finance Corporation

78. Dakshin Gangotri is :

    (A) a group of stars in the milky way

    (B) a permanent station of India in Antarctica

    (C) the origin of the river Ganga

    (D) a mountain pass in the Himalayas

79. Which is the smallest gland in human body ?

    (A) Liver   (B) Salivary   (C) Pituitary   (D) Thyroid

80. Which of the following is a body builder ?

    (A) Proteins   (B) Carbohydrates   (C) Vitamins   (D) Fats

81. Which of the following is physical change ?

    (A) Oxidation   (B) Reduction   (C) Decomposition (D) Sublimation

82. Sea water can be purified by the process of :

    (A) Distillation   (B) Evaporation

    (C) Filtration   (D) Fractional distillation

83. The Hygrometer is a device for measuring :

    (A) the relative density of liquids   (B) the purity of milk

    (C) the relative humidity   (D) the acceleration due to gravity

84. Which of the following is the strongest acid ?

    (A) HCl   (B) HNO_3 (C) H_2SO_4 (D) CH_3COOH

85. Hypo is chemically known as :

    (A) Sodium Sulphate   (B) Sodium Persulphate

    (C) Sodium Thiosulphate   (D) Sodium Thiosulphite

86. If a man takes 2 hours to row 7 km upstream or 15 km downstream, what is the speed of the current in km per hour ?

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

87. How many medals India got in 2012 London Olympics ?

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

88. A train of length 150 m takes 10 seconds to pass over another train 100 m long coming from the opposite direction. If the speed of the first train is 30 kmph, then the speed of the second train is :

    (A) 54 kmph   (B) 60 kmph   (C) 72 kmph   (D) 36 kmph

89. The term 'demographic gap' signifies the difference :

    (A) in sex ratio   (B) in age

    (C) in child/woman ratio   (D) between the birth and death rate

90. The least count of an ordinary scale is :

    (A) One inch   (B) One centimeter

    (C) One millimeter   (D) None of the above

91. In the context of the Indian defence, what is Dhruv ?

    (A) Aircraft carrying Warship   (B) Missile carrying Submarine

    (C) Advanced Light Helicopter   (D) Inter-continental Ballistic Missile

92. In which of the following years was the Indo-China Treaty on Tibet signed ?

    (A) 1950   (B) 1954   (C) 1957   (D) 1962

93. Which one of the following metals is used for making boats because it does not corrode sea water ?

    (A) Tungsten   (B) Antimony   (C) Nickel   (D) Titanium

94. $1936523 + 2534321 + 8201642 - 4317701 =$

    (A) 8345785   (B) 8354587   (C) 8345758   (D) 8354785

95. Ramu is 40 years old and Srinivas is 60 years old. How many years ago the ratio of their ages was 3 : 5 ?

(A) 5 years   (B) 10 years   (C) 20 years   (D) 25 years

96. Which of the following is preferred for manufacturing a spring ?

(A) Brass   (B) Copper   (C) Steel   (D) Iron

97. A string of 8 bits is called :

(A) Nibble   (B) Byte

(C) Word   (D) None of the above

98. Red Panda, an endangered species, is found exclusively in :

(A) Western Himalayas   (B) Sivalik Himalayas

(C) Eastern Himalayas   (D) None of the above

99. Kiwis and Penguins are the famous local birds of :

(A) New Zealand   (B) Brazil   (C) Australia   (D) Indonesia

100. Main object of Antyodaya programme is :

(A) To uplift the urban poor   (B) To uplift the farmer

(C) To uplift the landless labour   (D) To uplift the poor

- o 0 o -