

1. Alexander fought with Porus on the banks of the river –  
 1). Indus                      2). Jhelum                      3). Chenab                      4). Ravi

Ans: 2

2. The unit of electric charge is...  
 1) Coulomb                      2). Newton                      3). Volt                      4). Coulomb/volt

Ans: 1

3. A wire of resistance R is doubled by stretching. Half of the stretched wire will have resistance...

- 1). 2R                      2). 4R                      3). R                      4). R/4

Ans: 2 (As the length of wire gets doubled, the cross-sectional area will become half of its previous value because volume of wire remains constant. Hence, we can see that the new resistance is **four times the previous resistance.**)

4. The element which forms the largest number of compounds with hydrogen is –  
 1). Boron                      2) Carbon                      3). Silicon                      4). Oxygen

Ans: 2

5. What is reared in an apiary?  
 1). Ants                      2). Pracous                      3) Bees                      4). Caterpillars

Ans: 3

6. Which is the national animal of India?  
 1). Lion                      2). Cheetah                      3). Tiger                      4). Leopard

Ans: 3

7. Which is the smallest possible unit of a chemical compound?  
 1). Atom                      2). Electron                      3). Proton                      4). Molecule

Ans: 4

8. Which of the following is not used as a fuel for automobiles?  
 1). Petrol                      2). Diesel                      3). Kerosene                      4). LPG

Ans: 3

9. Which of the following colours is found in a rainbow?  
 1). White                      2). Brown                      3). Grey                      4). Indigo



Units for atomic radii are picometers, equal to  $10^{-12}$  meter.

- Atomic radius is determined as the distance between the nuclei of two identical atoms bonded together.
- The atomic radius of atoms generally decreases from left to right across a period (in a periodic table).
- The atomic radius of atoms generally increases from top to bottom within a group.

18. In a step-down transformer the number of turns/windings in...

- 1). Primary are less      2). Primary windings are more than secondary windings  
 3). Primary and secondary are equal      4). Secondary are infinite

Ans: 2

19. A book contains 50 leaves. On each page, there are 20 lines and in each line, there are 10 words. How many words does that book contain?

- 1). 10,000      2). 15,000      3). 20,000      4). 30,000

Ans: 1 ( $50 \times 20 \times 10 = 10000$ )

20. Rat is to tar as Nun is to

- 1). run      2). Tin      3). Nut      4). Nun

Ans: 4 (the word is written in reverse order)

21. Xerophthalmia (loss of sight) in man is caused by a deficiency of –

- 1). Vitamin A      2). Vitamin B      3). Vitamin C      4). Vitamin D

Ans: 1

22. Which of the following is a permanent member of the UN Security Council?

- 1). Russia      2). Brazil      3). India      4). Japan

Ans: 1

23. Which of the following is the world's largest processor of jute?

- 1). Kolkata, India      2). Java      3). Sumatra      4). Indonesia

Ans: 1

24. Where was Gautama Buddha born?

- 1). Sarnath      2). Lumbini      3). Kapilavastu      4). Gaya

Ans: 2 (In Nepal)

25. Where is the headquarters of the Chief Commissioner of Railway Safety located?

- 1). New Delhi                      2). Bhopal                      3). Varanasi                      4). Lucknow

Ans: 4 (it is under the ministry of Surface Transport)

26. Oxygen was discovered by

- 1). William Ramsay                      2). Neil's Bohr                      3). Priestly                      4). Rutherford

Ans: 3

27. In which state do the three rivers Ganga, Yamuna and Saraswati meets

- 1). Bihar                      2). Haryana                      3) Uttar Pradesh                      4). West Bengal

Ans: 3 (Prayag, triveni Sangamam)

28. CPU is the abbreviation of

- 1). Central Processing Understanding  
2). Central Processing Unit  
3). Central Programming Unit  
4). Central programming understanding

Ans: 2

29. The Jalianwala bagh massacre of 1919 took place at

- 1). Chandigarh                      2). Calcutta                      3) Amritsar                      4). Nagpur

Ans: 3

30. Which of these diseases is caused by mosquitoes?

- 1) Malaria                      2). Jaundice                      3). Typhoid                      4). Cholera

Ans: 1

31. In An electric motor, electrical energy is converted into

- 1) Mechanical                      2). Light                      3). Sound                      4). Chemical

Ans: 1

33. Which is the following stone's crushing strength is maximum?

- 1). Granite                      2). Slate                      3). Sand stone                      4). Marble.

Ans: 1

34. Which one is the first artificial satellite placed on orbit? –

- 1). Intelsat I                      2). **Sputnik I**                      3). Telstar I                      4). TIROS

**Ans: 2**

35. In copper sulphate solution, the solute is –

- 1). Water                      2). Copper ions                      3). Sulphate ions                      4). **Copper sulphate**

**Ans: 4**

36. Chadwick discovered –

- 1). Atoms                      2). Electrons                      3) **Neutrons**                      4). None of these

**Ans: 3**

37. Energy equivalence of 1amu is

- 1).913 MeV                      2). **931 MeV**                      3). 981 MeV                      4). Zero

**Ans: 2**

38. The machine which converts mechanical energy into electrical energy is called as 1). Motor                      2). **Generator**                      3). Oscillator                      4). Convertor

**Ans: 2**

39. How is rice crop otherwise known as?

- 1). Wheat                      2). Maize                      3) **Paddy**                      4). Millet

**Ans: 3**

40. Egg shells is made up of –

- 1). **Calcium Carbonate**                      2). Calcium Oxide  
3). Sodium Bicarbonate                      4). Sodium Chloride

**Ans: 1**

41. For a plane mirror, the angle of incidence is..... the angle of reflection

- 1). **Equal to**                      2). Greater than                      3). Lesser than                      4). Less than or equal to

**Ans: 1**

42. In a computer, which of the following are examples of input devices?

- 1). **Keyboard, Mouse, Optical Mark reader**  
2). Arithmetic and logic unit, control unit  
3). RAM, ROM, PROM  
4). Visual display unit, Dot matrix printer,



Ans: 2

52. A computer's clock-speed is measured in –  
 1). Bits and megabits 2). Mega bytes and giga bytes  
 3), Nano seconds and pico seconds 4).Mega hertz and giga hertz

Ans: 4

53. Which of the following gases forms more than 90% of /LNG/CNG/auto gas?  
 1). Hydrogen 2). Xenon 3). Nitrogen 4). Methane

Ans: 4

54. Light cannot pass through –  
 1). Opaque Objects 2). Broken glass piece  
 3). Rubber 4). Transparent objects

Ans: 3

55. Which one of these is not a gas?  
 1). Argon 2). Helium 3). Oxygen 4). Barium

Ans: 4

56. The thermodynamic property ...inside a bubble is inversely proportional to its radius.  
 1). Pressure 2). Temperature 3). Density of air 4). None of these

Ans: 1

57. Among these which country is a permanent member of the UN Security Council?  
 1). India 2). Russia 3). Japan 4). France

Ans: 4

58. Find the odd one out.  
 1). Rectangle 2). Hexagon 3). Square. 4).Dragon

Ans: 4

59. Which Indian city is known for silk industry?  
 1). Lucknow 2). Kancheepuram 3). Pochampalli 4). Belgaum

Ans: 2

60. The term 'pH' denotes the –  
 1). Temperature of solution 2). Vapour pressure of solution

3) Acidity or basicity of solution

4). Ionic strength of solution

Ans: 3

61. Red blood corpuscles are formed in the -

- 1). small intestine    2) bone marrow    3). Liver    4). Heart

Ans: 2

62. Based on the relationship of the two given words, find out the correct pair of the word.

Plate is to Crockery as Spoon is to:

- 1). Fork    2). Knife    3) Cutlery    4). Stir

Ans: 3

63. The Kumbha Mela alternates between Allahabad, Nasik, Ujjain and -

- 1) Haridwar    2). Puri    3). Dwarka    4). Rameswaram

Ans: 1

64. The development of architecture was at its best the end

- 1). Guptas    2). Cholas    3). Pandyas    4). Nandas

Ans: 2

65. Before independence, who among the following persons had died in jail after a hunger strike?

- 1). Bhagat Singh    2). Chandra Shekha  
3). Surya Sen    4). Jatin Das

Ans: 4

66. The presence of which of the following material in water is not considered to be danger

- 1). Lead    2). Arsenic    3). Mercury    4). Calcium

Ans: 4

67. Natural solutions have a pH value -

- 1). Greater than 7    2). Equal to 7  
3). Less than 7    4). None of the above

Ans: 2

68. Air borne disease is -



76. A halogen which is a light yellow gas is  
 1) Fluorine                      2) Chlorine                      3). Bromine                      4). Iodine  
 Ans: 2
77. The headquarters of Northern Railways is at -  
 1) New Delhi.                      2). Calcutta.                      3). Gorakhpur.                      4). Mumbai.  
 Ans: 1
78. Where is the Vaikunta Perumal Temple located IN Tamil Nadu?  
 1). Madurai                      2). Kanchipuram                      3). Tanjore                      4). Kanniyakumari  
 Ans: 2
79. Where is the Salarjung museum situated in India?  
 1) Hyderabad                      2). Jaipur                      3). Patna                      4). Agra  
 Ans: 1
80. Which of these carry information from brain to other parts in our body?  
 1), Pores                      2), Nerves                      3). Veins                      4). Skin  
 Ans: 2
81. Leprosy is caused by a  
 1). Virus                      2). Bacteria                      3). Fungus                      4). Worms  
 Ans: 2
82. ELISA test is used to detect  
 1). RBC                      2). Malaria                      3). AIDS                      4). The sugar level  
 Ans: 3
83. The body builders in food are  
 1). carbohydrates                      2). Proteins                      3). Vitamins                      4). Minerals  
 Ans: 2
84. Find the correct alternative in each case:  
 64, 32, 16, 8, ...?  
 1).5                      2). 6                      3). 1                      4) 4  
 Ans: 4

85. Which one of these was not invented by the Chinese?  
 1). Paper                      2). Gunpowder                      3) Telescope                      4). Magnetic Compass

Ans: 3

86. The term PVC stands for....?  
 1). Poly Vinyl Chloride                      2). Polymer Vinyl Carbon  
 3). Poly Virum Chlorine                      4). Polythene Vinyl Chloride

Ans: 1

87. The first European sailor to land on the Western coast of India belonged to  
 1). England                      2). France                      3). Portugal                      4). Spain

Ans: 3

88. "Rani Laxmi bai" was the queen of –  
 1). Allahabad                      2). Bundelkhanda                      3). Kanpur                      4). Jhansi

Ans: 4

89. If a large number of people are enclosed in a room, then –  
 1). Oxygen decreases and carbon dioxide increases  
 2). Oxygen increases and carbon dioxide decreases  
 3). both oxygen and carbon dioxide

Ans: 1

90. Which animal hangs upside down in its sleep?  
 1). Monkey                      2). Bear                      3). Bat                      4). Gorilla

Ans: 3

91. In which city is the international court of law located?  
 1). Hague                      2). Kremlin                      3). Greenwich                      4). Vatican

Ans: 1

92. What is the acceleration due to gravity of a free-falling object?  
 1). 9.8 metres/second<sup>2</sup>                      2). 9.8 KM/minute  
 3). 9.8 metres/second                      4). 62 KM/hour

Ans: 1

93. Mach numbers are used to measure

- 1). The velocity of ships  
 2) The speed of supersonic aircraft  
 3). The speed of radioactive radiation  
 4). None of these

Ans: 2

94. A rivet is.  
 1). A structural steel rod.  
 2). A pipe.  
 3). A kind of rail.  
 4). A kind of sleeper.

Ans: 1

95. Which one of the following ratios is the largest?

- 1). 3: 4                      2). 2:3                      3). 3: 5                      4).5: 7

Ans: 4

96. Lunar eclipse always takes place on a -

- 1). Quarter Moon Day                      2). Crescent Moon day  
 3). Full Moon Day                      4). New. Moon Day

Ans: 3

97. Solar eclipse always takes place on a -

- 1). Quarter Moon Day                      2). Crescent Moon day  
 3). Full Moon Day                      4). New Moon Day

Ans: 3

98. Which is the heaviest land animal?

- 1). African Bush Elephant                      2). Hippopotamus  
 3). Rhino                      4). Polar Bear

Ans: 1

99. Which of the following is a CAD package?

- 1) AutoCAD                      2). CADENCE                      3). CADALYST                      4). None of these

Ans: 1

100. What is the central part of an atom called?

- 1). Nuclear                      2). Egg                      3). Cell                      4). Nucleus

Ans: 4