

1. On 11 February 2016 The LIGO Scientific Collaboration announced the detection of C  
A. electromagnetic waves  
B. seismic waves  
C. gravitational waves  
D. radio waves
2. The SI unit of charge is \_\_\_\_B\_\_\_\_.  
A. Ampere  
B. Coulomb  
C. Ohm  
D. Volt
3. Very High Frequency (VHF) have \_\_\_\_A\_\_\_\_ wavelengths.  
A. shorter  
B. shortest  
C. longer  
D. longest
4. Long-sight defect could be corrected by using \_\_\_\_B\_\_\_\_ lens.  
A. concave  
B. vonvex  
C. diverging  
D. none of these
5. Deficiency of Vitamin-A results in \_\_\_\_A\_\_\_\_.  
A. night blindness  
B. rickets  
C. scurvy  
D. hair fall
6. For a fixed mass of gass at constant temperature, if we decrease volume, the pressure will \_\_\_\_B\_\_\_\_.  
A. also decrease  
B. increase  
C. remains constant  
D. none of these
7. The lifespan of Red Blood Cells is \_\_\_\_B\_\_\_\_ days.  
A. 60  
B. 120  
C. 180  
D. 240
8. The density of water is \_\_\_\_A\_\_\_\_.  
A.  $1 \text{ g/cm}^3$   
B.  $1.5 \text{ g/cm}^3$

- C.  $2 \text{ g/cm}^3$   
D. none of these
9. Radioactivity was discovered by \_\_\_\_\_D\_\_\_\_\_.  
A. Kelvin  
B. Thomson  
C. Rutherford  
D. Bacquerel
10. A device which converts chemical energy into electrical energy is called \_\_\_\_\_D\_\_\_\_\_.  
A. motor  
B. generator  
C. moving-coil meter  
D. battery
11. The Sun is a \_\_\_\_\_A\_\_\_\_\_.  
A. Star  
B. Planet  
C. Asteroid  
D. Meteor
12. The average adult has a blood volume of about \_\_\_\_\_B\_\_\_\_\_ liters.  
A. 4  
B. 5  
C. 6  
D. 7
13. The most abundant element in the universe is \_\_\_\_\_B\_\_\_\_\_.  
A. Oxygen  
B. Hydrogen  
C. Carbon Dioxide  
D. Silicon
14. The most abundant element in the Earth's crust is \_\_\_\_\_A\_\_\_\_\_.  
A. Oxygen  
B. Hydrogen  
C. Carbon Dioxide  
D. Silicon
15. Each day human body breathe in \_\_\_\_\_C\_\_\_\_\_ liters of air.  
A. 5,000 to 10,000  
B. 10,000 to 15,000  
C. 15,000 to 20,000  
D. 20,000 to 25,000

16. Deficiency of Vitamin-D results in \_\_\_\_B\_\_\_\_.
- A. night blindness
  - B. rickets
  - C. scurvy
  - D. hair fall
17. The SI unit of "pressure" is \_\_\_\_A\_\_\_\_.
- A. pascal
  - B. joule
  - C. tesla
  - D. henry
18. The most densest substance on the Earth is \_\_\_\_D\_\_\_\_.
- A. Platinum
  - B. Copper
  - C. Steel
  - D. Osmium
19. A camera uses a \_\_\_\_A\_\_\_\_ to form an image.
- A. convex lens
  - B. concave lens
  - C. condenser lens
  - D. none of these
20. Which from the following is NOT a conductor? D
- A. Aluminium
  - B. Silicon
  - C. Graphite
  - D. All are conductors
21. CNG stands for? D
- A. Converted Natural Gas
  - B. Conduced Natural Gas
  - C. Conducted Natural Gas
  - D. Compressed Natural Gas
22. Which from the following is true for "Sound"? A
- A. Sound cannot travel through a vaccum
  - B. Sound cannot travel through gases
  - C. Sound cannot travel through liquids
  - D. Sound cannot travel through solids
23. When white light is passed through a prism, it splits into \_\_\_\_B\_\_\_\_ colours.
- A. 5
  - B. 6

- C. 7
- D. 8

24. 1 nanometer = ? C

- A.  $10^{-3}$  meter
- B.  $10^{-6}$  meter
- C.  $10^{-9}$  meter
- D.  $10^{-12}$  meter

25. Instrument used for measuring very high temperature is \_\_\_\_\_B\_\_\_\_\_.

- A. Pyroscope
- B. Pyrometer
- C. Seismograph
- D. Xylometer

26. Sound waves are \_\_\_\_\_C\_\_\_\_\_ waves.

- A. Transverse
- B. Electromagnetic
- C. Longitudinal
- D. none of these

27. The lifespan of White Blood Cells is \_\_\_\_\_A\_\_\_\_\_ day(s).

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

28. The fluid part of blood is known as \_\_\_\_\_A\_\_\_\_\_.

- A. plasma
- B. platelets
- C. blood cells
- D.

29. X-rays were discovered by \_\_\_\_\_A\_\_\_\_\_.

- A. Rontgen
- B. Thomson
- C. Rutherford
- D. Bacquerel

30. The speed of light is \_\_\_\_\_B\_\_\_\_\_.

- A. 280,000 km/s
- B. 300,000 km/s
- C. 320,000 km/s
- D. none of these

31. During winter in cold countries, the \_\_\_\_\_A\_\_\_\_\_ is mixed to melt the ice on the icy roads.

- A. Salt
- B. Chlorine
- C. Carbon dioxide
- D. Water

32. In a very low temperature which from the following will freeze at last? C

- A. River water
- B. Canal water
- C. Sea water
- D. Water in a lake

33. The nearest planet to the Earth is \_\_\_\_\_A\_\_\_\_\_.

- A. Venus
- B. Mercury
- C. Mars
- D. Moon

34. The planet that moves round the Sun at the highest speed is? D

- A. Jupiter
- B. Venus
- C. Mars
- D. Mercury

35. In general, Comets have \_\_\_\_\_B\_\_\_\_\_ orbits.

- A. Elliptical
- B. Highly elliptical
- C. Circular
- D. Parabolic

36. GPS is an abbreviation for? C

- A. Global Poles System
- B. Global PolySiliconium Store
- C. Global Positioning System
- D. Global Position Structure

37. Oxidation is a chemical reaction involving the \_\_\_\_\_B\_\_\_\_\_.

- A. Gain of Electrons
- B. Loss of Electrons
- C. Gain of Protons
- D. Loss of Protons

38. At night, Plants intake \_\_\_\_\_A\_\_\_\_\_ and release \_\_\_\_\_A\_\_\_\_\_.

- A. Oxygen – Carbon dioxide
- B. Carbon dioxide – Oxygen
- C. Oxygen – Carbon monoxide

D. Carbon monoxide – Oxygen

39. Urine is produced in \_\_\_\_\_A\_\_\_\_\_.

- A. Kidneys
- B. Lungs
- C. Large intestine
- D. Liver

40. Blood is cleaned by \_\_\_\_\_D\_\_\_\_\_.

- A. Lungs
- B. Liver
- C. Heart
- D. Kidneys

41. The position of an element in the Periodic Table is determined by its \_\_\_\_\_B\_\_\_\_\_ number.

- A. Electron
- B. Proton
- C. Neutron
- D. Positron

42. The salinity of sea water is determined by the amount of common salt (Sodium Chloride) in \_\_\_\_\_C\_\_\_\_\_ of sea water.

- A. 1 gram
- B. 10 grams
- C. 1 kg
- D. 10 kg

43. The planet which is easily visible from the Earth is? B

- A. Mercury
- B. Venus
- C. Mars
- D. Jupiter

44. The Great Spot is on the planet \_\_\_\_\_D\_\_\_\_\_.

- A. Saturn
- B. Venus
- C. Mars
- D. Jupiter

45. The Great Spot is a \_\_\_\_\_D\_\_\_\_\_.

- A. Mountain
- B. Desert
- C. Frozen Carbon dioxide
- D. Storm

46. The bodyguard of the Earth is \_\_\_\_D\_\_\_\_ that save the Earth from many Comets and Asteroids.
- A. Mars
  - B. Saturn
  - C. Uranus
  - D. Jupiter
47. 1 light year = ? C
- A.  $9.5 \times 10^6$  km
  - B.  $9.5 \times 10^9$  km
  - C.  $9.5 \times 10^{12}$  km
  - D.  $9.5 \times 10^{18}$  km
48. The planets visible to us without using a telescope are \_\_\_\_C\_\_\_\_.
- A. 3
  - B. 4
  - C. 5
  - D. 6
49. According to Big Bang Theory, the Universe began about \_\_\_\_A\_\_\_\_ billion years ago.
- A. 10 – 20
  - B. 20 – 30
  - C. 30 – 40
  - D. 40 – 50
50. Biosensor is used to measure? A
- A. Blood glucose level
  - B. The body pH value
  - C. Amount of hemoglobin
  - D. Salinity in Urine
51. Einstein's famous equation which states that mass and energy are interchangeable is? A
- A.  $E = mc^2$
  - B.  $E = cm^2$
  - C.  $M = ec^2$
  - D.  $M = ce^2$
52. The SI unit of electric current is? B
- A. Coloumb
  - B. Ampere
  - C. Volt
  - D. Watt
53. The principal constituent of the atmosphere of the Earth is? D
- A. Oxygen
  - B. Carbon
  - C. Hydrogen

- D. Nitrogen
54. What is Dry Ice? B
- A. Solid Oxygen
  - B. Solid Carbon Dioxide
  - C. Solid Hydrogen
  - D. Solid Nitrogen
55. What are the primary colours? D
- A. White, Black, Blue
  - B. Red, Yellow, Blue
  - C. Red, Orange, Blue
  - D. Red, Green, Blue
56. Digestion of food is completed in the \_\_\_\_\_A\_\_\_\_\_.
- A. small intestine
  - B. large intestine
  - C. stomach
  - D. Liver
57. Carrot is good source of Vitamin? A
- A. A
  - B. B complex
  - C. C
  - D. D
58. For proper formation of teeth, \_\_\_\_\_C\_\_\_\_\_ is essential.
- A. iodine
  - B. copper
  - C. fluorine
  - D. iron
59. Deficiency of \_\_\_\_\_A\_\_\_\_\_ causes loss of appetite and poor growth.
- A. zinc
  - B. iodine
  - C. copper
  - D. iron
60. Meteorology is the study of? B
- A. seasons
  - B. atmosphere
  - C. air and sounds
  - D. winds and clouds



61. The Carbon Dioxide in the atmosphere, by volume, is A

- A. 0.039%
- B. 3.9%
- C. 13%
- D. 30%

62. Diamond is an allotropic form of A

- A. Carbon
- B. Hydrogen
- C. Nitrogen
- D. Silicon

63. The SI unit of Heat is C

- A. Watt
- B. Volt
- C. Joule
- D. Newton

64. The good sources of Vitamin-A are A

- A. green leafy vegetables
- B. seeds
- C. fresh vegetables and fruits
- D. sea foods

65. The good sources of Vitamin-B Complex are B

- A. green leafy vegetables
- B. seeds
- C. fresh vegetables and fruits
- D. sea foods

66. The good sources of Vitamin-C are C

- A. green leafy vegetables
- B. seeds
- C. fresh vegetables and fruits
- D. sea foods

67. The good sources of iodine are D

- A. green leafy vegetables
- B. seeds
- C. fresh vegetables and fruits
- D. sea foods

68. The gas, commonly known as "laughing gas", is C

- A. Carbon Dioxide
- B. Sulfur Dioxide
- C. Nitrous Oxide

D. Sodium Oxide

69. The source of oxygen in photosynthesis is A

- A. water
- B. salts
- C. minerals
- D. glucose

70. The instrument used to measure wind speed is A

- A. Anemometer
- B. Barometer
- C. Hydrometer
- D. Hygrometer

71. The natural fats and oils are composed of A

- A. Carbon, Hydrogen and Oxygen
- B. Carbon, Hydrogen and Nitrogen
- C. Carbon, Oxygen and Nitrogen
- D. Hydrogen, Oxygen and Nitrogen

72. The energy value of food is measured in B

- A. Joule
- B. Calories
- C. Tesla
- D. Proteins

73. Wind energy is the \_\_\_\_\_ energy. C

- A. Potential
- B. Transverse
- C. Kinetic
- D. Mechanical

74. Who is considered the founder of meteorology? A

- A. Aristotle
- B. Plato
- C. Einstein
- D. Newton

75. Water covers \_\_\_\_\_ of the Earth's surface. C

- A. 60%
- B. 65%
- C. 70%
- D. 75%

76. In general, wind speed of 105–137 caused A

- A. minor or no damage
- B. considerable damage

- C. severe damage
  - D. extreme damage
77. Acid rain is mainly caused by emissions of \_\_\_\_\_ in the atmosphere. D
- A. Sulfur Dioxide and Potassium Nitrate
  - B. Sulfur and Charcoal
  - C. Nitrogen Oxide and Potassium Nitrate
  - D. Sulfur Dioxide and Nitrogen Oxide
78. About 50% of the Earth's crust, including the waters on the Earth and atmosphere, is A
- A. Oxygen
  - B. Carbon Dioxide
  - C. Silicon
  - D. Clay
79. The fourth state of matter is D
- A. Water
  - B. Salts
  - C. Vapours
  - D. Plasma
80. The device used to convert Alternate Current into Direct Current is called D
- A. Anemometer
  - B. Battery
  - C. Galvanometer
  - D. Rectifier
81. In night, when photosynthesis is stopped, plants C
- A. take in Carbon Dioxide
  - B. take in Oxygen
  - C. give off Carbon Dioxide
  - D. give off Oxygen
82. During photosynthesis, plants D
- A. take in Carbon Dioxide
  - B. take in Oxygen
  - C. give off Carbon Dioxide
  - D. give off Oxygen
83. \_\_\_\_\_ are called the powerhouses of the cell. A
- A. Mitochondria
  - B. Vesicles
  - C. Lungs
  - D. Liver
84. Mitochondria contain their own supply of A
- A. DNA

- B. Amino acids
  - C. Vitamins
  - D. Oxygen
85. The first chemical explosive, Gunpowder, is a mixture of    B
- A. Sulfur, Charcoal and Nitrogen Oxide
  - B. Sulfur, Charcoal, and Potassium Nitrate
  - C. Sulfur and Charcoal
  - D. Charcoal and Potassium Nitrate
86. The number of oscillations per second is called the    D
- A. hertz
  - B. waves
  - C. pitch
  - D. frequency
87. Sound waves from a loudspeaker are caused by    B
- A. frequency
  - B. vibrations
  - C. pitch
  - D. amplitude
88. The guitar has \_\_\_\_\_ strings.    C
- A. 4
  - B. 5
  - C. 6
  - D. 7
89. The device used to measure movements of the heart is    A
- A. Cardiograph
  - B. Seismograph
  - C. Hydrometer
  - D. Hygrometer
90. The unit used to measure 'Pressure' is    A
- A. pascal
  - B. newton
  - C. watt
  - D. tesla
91. There are \_\_\_\_\_ methods of heat transfer.    A
- A. 3
  - B. 4
  - C. 5
  - D. 6
92. Which from the following is NOT a method of heat transfer?    D

- A. Conduction
  - B. Convection
  - C. Radiation
  - D. All are methods of heat transfer
93. If we heat one end of metallic rod, the other end gets hot. The method of heat transfer is A
- A. Conduction
  - B. Convection
  - C. Radiation
  - D. None of these
94. A person seated in front of a fire receives heat by C
- A. Conduction
  - B. Convection
  - C. Radiation
  - D. None of these
95. The unit used to measure 'magnetic flux' is C
- A. pascal
  - B. farad
  - C. weber
  - D. henry
96. Battery was invented by A
- A. Volta
  - B. Hero
  - C. Fermi
  - D. Maiman
97. The most abundant element in the earth's crust is oxygen. The second most abundant element in the earth's crust is D
- A. Hydrogen
  - B. Nitrogen
  - C. Brass
  - D. Silicon
98. The nearest planet to the Sun is A
- A. Mercury
  - B. Venus
  - C. Mars
  - D. Jupiter
99. Bronze is an alloy of B
- A. Iron, Carbon
  - B. Copper, Tin
  - C. Nickel, Zinc

D. Mercury, Lead

100. Molecules with identical molecular formulae but with different structural formulae are called B

A. Isotopes

B. Isomers

C. Electrode

D. Compound