

# CADET COLLEGE PETARO

## MODEL TEST PAPER

### CLASS VII

### GENERAL SCIENCE

Time: 1 Hour

Max. Marks:100

Passing Marks:50

Q.1) Multiple Choice Question:

(85)

1. \_\_\_\_\_ is absent animal cell

- a) Cell Wall      b) Cell membrane      c) cytoplasm      d) nucleus

2. All plants and animals \_\_\_\_\_ is size

- a) grow      b) get small      c) eat      d) decrease

3. All plants and animals need \_\_\_\_\_ for growth

- a) Food      b) sunlight      c) shelter      d) none of them

4. Human breath with the help of

- a) Nostrils      b) skin      c) respiratory system      d) all of them

5. \_\_\_\_\_ are the main components of respiratory system

- a) Lungs      b) nose      c) throat      d) mouth

6. During respiration \_\_\_\_\_ is liberated

- a) Carbon dioxide      b) oxygen      c) sulphur      d) nitrogen

7. An average healthy person require 2100 to \_\_\_\_\_ calories of energy

- a) 2800      b) 2300      c) 2400      d) 2600

8. Producing offspring's is a process known as

- a) Reproduction      b) growth      c) respiration      d) excretion

9. New plants arise from a \_\_\_\_\_

- a) seed      b) root      c) stem      d) flower

10. \_\_\_\_\_ is defined as movement of animals from one place to another

- a) Locomotion      b) reproduction      c) growth      d) none of them

11. Plants show movements towards \_\_\_\_\_
- a) light                      b)heat                      c)rain                      d) all of them
12. Part of plant which grows under the soil
- a) steam                      b)root                      c)leaf                      d)flower
13. \_\_\_\_\_grows above the soil
- a)shoots                      b)roots                      c)radical of seed                      d) all of these parts
14. \_\_\_\_\_animals moves by crawling on land
- a) snake                      b)fish                      c)frog                      d)cat
- 15.Plants make food by a process called
- a) Photosynthesis                      b)evaporation                      c)transpiration                      d)all of them
16. Plants liberate \_\_\_\_\_during the process of photosynthesis
- a) Nitrogen                      b)Oxygen                      c)Carbon dioxide                      d) hydrogen
17. \_\_\_\_\_is the Organ for sense of taste
- a) Tongue                      b)nose                      c)Skin                      d)Hairs
18. Our tongue can detect taste by the help of \_\_\_\_\_
- a)Taste buds                      b)Cilia                      c)nose                      d)none of them
19. \_\_\_\_\_is the removal of waste substances from the body
- a)Excretion                      b)respiration                      c)filtration                      d)reproduction
20. Excretion in plants is called \_\_\_\_\_
- a)Expiration                      b)respiration                      c)transpiration                      d)evaporation
21. Reproductive part of plant is called \_\_\_\_\_
- a)Flower                      b)branch                      c)leaf                      d)seed
22. Seed develops into a young plant. It is called \_\_\_\_\_
- a)Germination                      b)movement                      c)growth                      d)all of them
23. \_\_\_\_\_is a energy liberating process
- a)Reproduction                      b)growth                      c)respiration                      d)excretion
- 24.Cell wall is present in \_\_\_\_\_
- a)Plant Cell                      b)animals Cell                      c)amoeba                      d) none of them

25. Similar cell group together to form

- a) Organs                      b)tissues                      c)system                      d)all of them

26. Which of the following is correct:

- a. 100mm= 1cm    b.10mm= 1m    c.100cm= 1m    d.100m= 1 km

27. The height of a person is 1.65 m. express the height in cm

- a.165 cm    b.16.5cm    c.1650cm    d.1.65cm

28.Objects which emit light of their own called \_\_\_\_\_.

- a. Luminous Objects    b. Non luminous Objects    c. Opaque Objects    d. transparent Object

29. Shadows are formed because \_\_\_\_\_.

- a. Light has lot of energy                      b. Light is attracted to a magnet  
c. Light travels in a straight line    d. Light cannot travel

30. In a completely dark room, if you hold up a mirror in front of you, will you see

- a. Your shadow    b. A sharp shadow    c. your image    d. No image

31. Which of the following object in non-luminous?

- a. Fluorescent tube when switched on    b. Flame of gas burner  
b. Fire fly    d. Moon

32. Which of the following pairs consist of a conductor and an insulator of electricity/

- a. Wood and wool                                      b. Copper and Steel  
c. Silver and Gold                                      d. Silver and rubber

33.Plastic , wood and cloths are some good \_\_\_\_\_of electricity.

- a. Absorbers                      b. Conductors    c. Insulators    d. Reflectors

34. Electric wire and parts of electrical appliances are covered with \_\_\_\_\_.

- a. Silver                      b. Copper                      c. Gold                      d. Plastic

35. Materials, which do not allow electricity to pass through them easily, are called \_\_\_\_of Electricity.

- a. Deflectors                      b. Insulators                      c. Conductors                      d. Absorbers

36. \_\_\_\_\_allow electric current to pass through them.

- a. Absorbers                      b. Insulators                      c. Conductors                      d. Deflectors

37. Which of the following is an insulator?

- a. Silver                      b. Iron                      c. Copper                      d. Rubber

38. Metals are \_\_\_\_\_ of electricity?

- a. Absorber                      b. Conductors                      c. Insulators                      d. Reflectors

39. Air is a

- a) Compound    b) element    c) mixture    d) molecule

40. Atomos is a ----- word

- a) English                      b) Persian                      c) Greek                      d) Arabic

41. The atoms of different elements are ----- in sizes.

- a) Same                      b) different                      c) large    d) small

42. ----- is made up of two or more atoms of same kind or different kinds chemically combined together.

- a) Compound    b) molecule    c) atom                      d) element

43. How many atoms make up one molecule of chlorine?

- a) 1    b) 2    c) 3    d) no fixed number

44. Each molecule of compound consist at least ----- type of atoms.

- a) 1    b) 2    c) 3    d) 4

45. A/an ----- is used to show the number and types of atoms present in a molecule.

- a) Chemically symbol    b) chemically formula    c) Chemically equation    d) atomic number

46. ----- is the father of atomic theory.

- a) Dalton                      b) Thomson                      c) Rutherford                      d) Democritus

47. Changes in the state of matter are due to the changes in the ----- of the atoms and molecules.

- a) Motion                      b) structure                      c) number                      d) size

48. The temperature at which liquid changes in to a gas, in the form of bubbles throughout the liquid, is Called -----.

- a) Condensation                      b) melting point                      c) boiling point    d) freezing

49. The solid has changed in to liquid is called

- a) Condensation                      b) melting point                      c) boiling point    d) freezing

50. Which of the following is not a crystal?  
a) Diamond    b) copper sulphate    c) clay d) sugar
51. Soaps and shampoos contain  
a) Alkali    b) acid    c) salts    d) crystals
52. All alkalis have a----- taste.  
a) Bitter    b) sweet    c) sour    d) salty
53. ----- have very strong forces of mutual attraction between particles.  
a) liquid    b) gas    c) solid    d) none of these
54. Hydrochloric acid found in  
a) Stomach    b) liver    c) heart    d) kidney
55. Litmus is a/an  
a) Filter paper    b) apparatus    c) indicator    d) acid
56. A substance with PH of 7 is  
a) Acidic    b) neutral    c) basic    d) none of these
57. Different acids make different salts. Hydrochloric acid makes  
a) Chlorides    b) sulphates    c) nitrates    d) citrates
58. Alkalis are ----- in water.  
a) Soluble    b) insoluble    c) both    d) none of these
59. Calcium hydroxide solution, commonly known as  
a) Caustic soda    b) baking soda    c) lime water    d) water of crystallization
60. Burning fossil fuels produces harmful substances, causing  
a) Air pollution    b) water pollution    c) Noise pollution    d) none of these
61. The first major atomic theory of matter was established by  
a) Louis Pasteur    b) John Dalton    c) Rutherford    d) Isaac Newton
62. A suggested explanation that can be tested to explain the observation is known as  
a) Experiment    b) Theory    c) Law    d) Hypothesis
63. For supporting apparatus during experiment we use  
a) Evaporating dish    b) Gas jar    c) Retort stand    d) Tripod stand

64. Uranium is a  
(a) Radioactive substance (b) corrosive substance  
(c) Irritating substance (d) toxic substance
65. ----- is another green house gas.  
a) Oxygen b) nitrogen c) neon d) methane
66. In a chemical reaction  
a) A new substance is formed b) energy is usually given out or taken in  
c) Usually the reaction cannot be reversed d) all of these
67. Carbonates are chemical which contain carbon and----- joined together.  
a) Nitrogen b) sodium c) sulphur d) oxygen
68. The compounds containing carbon and oxygen are known as  
a) Inorganic compounds b) hydrocarbons c) metals d) acids
69. The sugar made by plants can be changed in to alcohol by -----process.  
a) Fermentation b) biomass c) hydration d) hydrolysis
70. One methane molecule contain one carbon atom and  
a) Two hydrogen atoms b) one hydrogen atom  
c) Three hydrogen atoms d) four hydrogen atom
71. One substance spreading through another is called  
a) Diffusion b) osmosis c) transportation d) none of these
72. Atoms join to give a  
a) Ion b) radical c) molecule d) molecular ion
73. Lactic acid is present in  
a) Orange juice b) grapes c) tea d) milk
74. Like poles\_\_\_\_\_.
- a. Repel
  - b. Merge
  - c. Dissolve
  - d. Attract
75. The speed of light is  
a. 300,000 km/s

- b. 300,000 m/s
- c. 30,000 km/s
- d. 30,000 m/s

76. The light from the sun reaches the earth in

- a. 8.33 minutes
- b. 8.33 seconds
- c. 18.33 minutes
- d. 88.33 seconds

77. Luminous Objects are Objects

- a. Which get their light from other objects
- b. Which emit their own light
- c. Which do not emit any light
- d. Which absorb light

78. The smooth polished surface from which reflection takes place is

- a. Mirror
- b. Glass
- c. Wood
- d. Plastic

79. An electric bulb has \_\_\_\_\_ terminals.

- a. 1
- b. 2
- c. 3
- d. 4

80. A Complete electric circuit is called \_\_\_\_\_ electric circuit.

- a. Open
- b. Closed
- c. Complete
- d. None of these

81. Which states of matter have definite volume?

- a. Solid and gas
- b. Solid and liquid
- c. Gas and liquid
- d. Solid ,liquid , and gas

82. Mass, volume and density are physical properties of \_\_\_\_\_.

- a. motion
- b. temperature
- c. Matter
- d. Substance

83. \_\_\_\_\_ is the measure of how hot or cold something is.

- a. Thermometer
- b. Radiation
- c. Temperature
- d. Conduction

84. The moon's gravity causes \_\_\_\_\_.

- a. Tides
- b. Phases
- c. Gravity
- d. Lunar eclipse

85. Mercury is the closest planet to the

- a. Moon
- b. Sun
- c. Constellations
- d. Mars

Q2) Fill in the blanks

(15)

- 1) We need \_\_\_ for energy
- 2) Green colour substance present in plants is called \_\_\_\_\_
- 3) Cell wall is made up of \_\_\_\_\_
- 4) All activities of a cell is controlled by organelle named \_\_\_\_\_
- 5) \_\_\_ is an example of unicellular organism
- 6) \_\_\_\_\_ is the pumping organ of blood in the body
- 7) \_\_\_ carry oxygenated blood
- 8) The closest star to Earth is \_\_\_\_\_
- 9) Hand pump is an example of \_\_\_\_\_ type of lever.
- 10) In \_\_\_\_\_ molecules are tightly packed
- 11) Light travels in a \_\_\_\_\_ line.
- 12) Plastic and wood are \_\_\_\_\_ materials.
- 13) \_\_\_\_\_ has no definite volume and shape.
- 14) Magnetic lines flow from \_\_\_\_\_ to south.
- 15) Sound cannot travel through \_\_\_\_\_.

---THE END---