



GRADE 8 - SCIENCE - ASSIGNMENT 1

Part I

Underline most suitable answer.

1) A disease that cause by bacteria,

- i. Dengue
- ii. Corona
- iii. Leishmaniasis
- iv. Tuberculosis

2) Shark belongs to

- i. Mammalia
- ii. Mollusca
- iii. Pisces
- iv. Cnidaria

3) An animal that undergoes metamorphosis

- i. Bee
- ii. Frog
- iii. Bivalve
- iv. Nereis

4) Which factor that taken from atmosphere for photosynthesis?

- i. Oxygen
- ii. Carbondioxide
- iii. Solar energy
- iv. Nitrogen

5) Which of the following absorb water vapour from atmosphere?

- i. Climbing roots
- ii. Prop roots
- iii. Breathing roots
- iv. Aerial roots

6) An object vibrates 100 times in 5 seconds. The frequency is,

- i. 10 Hz
- ii. 50 Hz
- iii. 20 Hz
- iv. 100 Hz

7) An element is,

- i. Copper sulphate
- ii. Carbon dioxide
- iii. Glucose
- iv. Oxygen

8) Which of the following is not a matter?

- i. Air
- ii. Water
- iii. Heat
- iv. Magnet

9) An example for a spiral manner in leaf arrangement

- i. Guava
- ii. Rukathtrhana
- iii. Anoda
- iv. Thebu

10) Which has thin leaves for reduce transpiration?

- i. Navahandi
- ii. Daluk
- iii. Cactus
- iv. Kasa

11) A chemical with yellow in colour,

- i. Copper sulphate
- ii. Sulphur
- iii. Potassium permanganate
- iv. Copper

12) Following features are belong to an animal group

- Possess muscular foot
- Soft bodied
- Bilateral symmetrical

The group of animal is,

- i. Cnidaria
- ii. Mollusca
- iii. Amphibia
- iv. Arthropoda

13) Melting point and boiling point of water in orderly,

- i. $0^{\circ}\text{C} - 0^{\circ}\text{C}$
- ii. $100^{\circ}\text{C} - 0^{\circ}\text{C}$
- iii. $0^{\circ}\text{C} - 100^{\circ}\text{C}$
- iv. None of the above

14) How can be change the sound of a violin

- i. By changing the length of wire
- ii. By changing the thickness of wire
- iii. By changing the tightness of the wire
- iv. All above

15) What is the group of microorganism that can be observed in rotten bread?

- i. Paramecium
- ii. Mucor
- iii. Yeast
- iv. None of the above

16) Hearing range of human is,

- i. 20 Hz- 2000 Hz
- ii. 200 Hz- 20 000 Hz
- iii. 20 Hz- 20 000 Hz
- iv. 20 Hz- 200 000Hz

- 17) A matter with brittleness,
i. Iron ii. Steel iii. Graphite iv. Copper
- 18) A plant that reproduce by leaves,
i. Gotukola ii. Mimosa iii. Begonia iv. Pepper
- 19) Cicadas generate sound by
i. Motion of their wings ii. Rubbing their wings
iii. Rubbing their bristles iv. Their mouth part
- 20) Which of the microorganism that cannot be observed in compound microscope?
i. Paramecium ii. Corona
iii. Yeast iv. mucor
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Part II

- 1.
- 1) State whether the following statements are true (✓) or false(x).
- i. Whole microorganisms are formed by a single cell.
 - ii. Yeast can be observed in straw stagnant water.
 - iii. Paramecium has a shape of shoe sole.
 - iv. Dengue virus can be observed through compound microscope.
 - v. Sugar solution can be turn to ethyl alcohol by Mucor.
- 2) Explain scientifically.
- i. Food spoils rapidly in room temperature. But can keep longer time in refrigerator.
 - ii. Microorganisms effect on environmental balance.
- 3) Prepare an article for newspaper on the topic of “Effects of microorganisms on human been”. Explain at least 3 examples from beneficial and harmful.
2. Answer the followings by the given plants.
Aloe, Gotukola, Peparomia, Cactus, Rukaththana, Guava
- i. What is the fleshy leaf that adopts conserve water?
 - ii. What is the leaf that can reproduce?
 - iii. Name the special stem with Gotukola.

- iv. Explain briefly that adaptations of cactus plant.
- v. What are the leaf arrangement with Rukaththana and Guava?
- vi. Name the other leaf arrangements and give one example for each.
- vii. What are the adaptations of plant leaf for efficient photosynthesis?

3.

- i. Draw a simple activity to show that solid matter has discontinuous nature.
- ii. Draw the particular nature of three physical states of matter
- iii. Some physical properties are given bellow. Give simple introduction for it and give example.
 - a) Hardness
 - b) Brittleness
 - c) Ductility
 - d) Malleability
- iv. Separate followings in to elements and compounds
Glucose, carbon, copper, water, salt, chlorine

4.

- i. What is the difference between musical tone and noise?
- ii. Mention two diseases that use to cure by musical therapy.
- iii. There are three pen clips with different heights. Draw them ascending order of their frequencies while blowing.
- iv. Name two animals that can hear high frequency.
- v. What is frequency?

5. Filling the blanks with given words.

(100°C, breathing, mixture, frequency, propagative, compound, compress, 0°C,)

- i.is change when changing the length of tuning fork.
- ii. Gases caneasily.
- iii. Pure water convert gas at the temperature of
- iv. Combination of pure substances form.....
- v. Guava has roots
- vi. The melting point of water is
- vii. Distilled water is an example for
- viii. Mangrove has roots.