

Provincial Department of Education, Northern Province



Diagnostic Test – 2021

Grade 6

Science

Time- 1 1/2 Hours

Part 1

Underline the most suitable answer for the following questions.

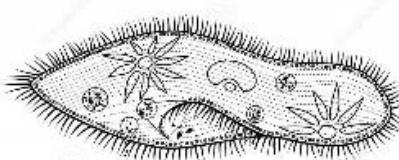
1. Which of the following is not a common characteristic of all living things?
 - i. Growth and nutrition
 - ii. Respiration and reproduction
 - iii. Sensitivity and movement
 - iv. Photosynthesis and locomotion

2. Which is the energy source used in show dust stove?
 - i. Fossil Fuel
 - ii. Sun
 - iii. Bio mass
 - iv. Wind

3. Which of the following matter does not take the shape of the container?
 - i. carbon dioxide
 - ii. Water
 - iii. Brick
 - iv. Water vapor

4. Which of the following is not a matter?
 - i. Light
 - ii. Stone
 - iii. Oxygen
 - iv. Water

5. Identify the organism in the given figure?
 - i. Amoeba
 - ii. Bacteria
 - iii. Paramecium
 - iv. Chlamydomonas



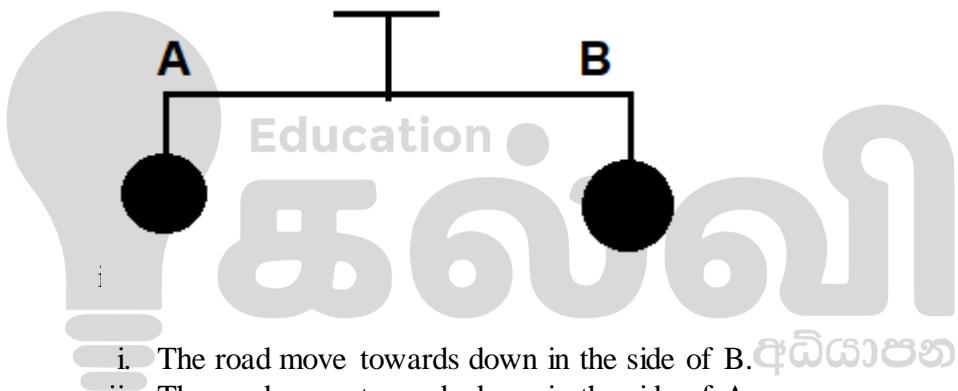
6. Which of the following factor is essential for photosynthesis?

- i. Oxygen
- ii. Carbon dioxide
- iii. Glucose
- iv. Hydrogen

7. What is the color of clear lime water?

- i. White
- ii. Blue
- iii. Pink
- iv. Colorless

8. What is the change occurred, when a hole is put on the balloon A, while the rod AB is balanced?

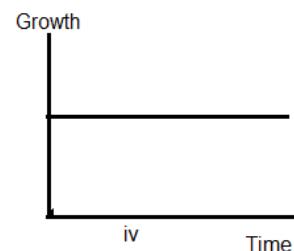
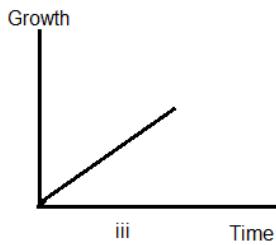
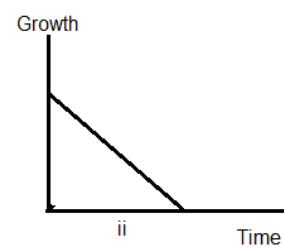
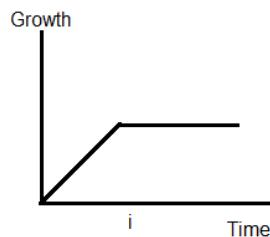


- i. The road move towards down in the side of B.
- ii. The road move towards down in the side of A.
- iii. The road move towards up in the side of B.
- iv. There is no change in the rod.

9. Which of the following matter has the properties malleability and ductility?

- i. Glass
- ii. Copper
- iii. Diamond
- iv. Rubber

10. Which of the following graph shows correctly the change of growth of the given Organism with time?



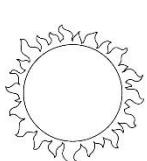
11. What is the ratio of water that is suitable for human consumption from the surface of earth?

- i. 97.41%
- ii. 2.58%
- iii. 70%
- iv. 0.01%

12. Which source of given water belongs to precipitation?

- i. Well
- ii. Glaciers
- iii. Lake
- iv. Rivers

13. Which of the following statement is correct regarding to A and B?

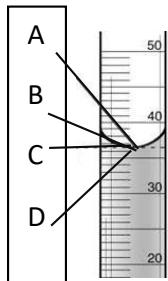


A. Sun

B. Moon

- i. A and B both are luminous objects.
- ii. A and B both are Non luminous objects.
- iii. A - luminous object , B - Non luminous object
- iv. A -Non luminous object, B - luminous object

14. Which of the following point is suitable to keep our eyes for getting proper measurement of volume of the given liquid?



- i. A
- ii. B
- iii. C
- iv. D

15.

- A - Living thing , luminous object
- B - Non living thing , luminous object

The suitable set for A and B are respectively ?

- i. sun, firefly
- ii. Firefly,sun
- iii. Sun, moon
- iv. Moon, firefly

16. Which of the following musical instrument produce the sound as same to the raban?

- i. Miruthangam
- ii. Flute
- iii. Veena
- iv. Gittar

17. Which energy source used in floating power plants?

- i. Geothermal energy
- ii. Nuclear energy
- iii. Tidal wave
- iv. Seawave

18. The chemical name of common salt is?

- i. Magnesium chloride
- ii. Sodium chloride
- iii. Sodium carbonate
- iv. Calcium chloride

19.

- A – have a fixed shape, have not fixed volume
- B – have not a fixed shape, have not fixed volume
- C - have not a fixed shape, have fixed volume

The suitable examples for A,B,C are respectively?

- Water, brick, oxygen
- Brick, water, oxygen
- Brick, oxygen, water
- Wood block, water, milk

20. What do you understand by the term “energy crisis”?

- Lack of energy
- Well planned use of energy
- Using energy without wastage
- Obtain excess amount of energy than the requirements.



Part -2

Answer for all questions

1. A

- i. Which is the raw material obtained by the plants from the soil for the process of photosynthesis?
- ii. Which is the component of exhaled air that turn the color of clear lime water as Milky white?
- iii. How do you call the all animals according to their nutrition?
- iv. leaves of sesbenia shrinks at the evening. Which characteristic feature of Organism is this?
- v. Which gas is taking in for the respiration of organism?

B. Select the correct alphabet letters of the given terms for the following descriptions.

P- Reproduction

S - dichotomous key

Q - respiration

T – microorganism

R - growth

- i. The biological process of production of energy within the body of organisms _____
- ii. We cannot see with our naked eye when they are single _____
- iii. The irreversible increase of height, volume and dry mass of organisms _____
- iv. The production of another organism from one organism _____
- v. The categorization method of organisms according to their presence and absence of a particular characteristic feature _____

(10x 2 = 20 Marks)

2. A

- i. How do you call the thing, which has mass and occupying space?
- ii. In which group the light and sound are belongs to?
- iii. Which physical state of matter takes the whole volume of its container?
- iv. The glacier belongs to the example of which physical state of water?
- v. Which physical property of rubber enable it as a raw material for the manufacturing of gloves and balloons?

B . If the statement is correct put the mark (✓) and if it is wrong put the mark (x) into the case

- i. The water, we get from the springs is underground water. ()
- ii. The water is in lagoons belongs to brackish water. ()
- iii. Water is the excretory medium of animals. ()
- iv. The water exists as liquid state in atmosphere. ()
- v. The muddy water is an example for an opaque object. ()

(10x 2 = 20 Marks)

3.

A. Fill in the blanks with a suitable word from the given bracket.

(Moon, biomass, electric, sun, fossil fuel)

- i. _____ is the main energy source of the world.
- ii. Coconut shell, rice bran and firewood are the examples for _____.
- iii. _____ energy can be produced by using sea waves and flowing water.
- iv. _____ are the energy sources which are soon to be over.
- v. _____ is a non luminous object.

B. Fill in the blanks of X by using the number of the word choosing from Y.

X	Y
a. Optical fiber _____	1. red color light
b. Heart surgery_____	2. tidal waves
c. Thin glass_____	3. endoscope
d. Vehicle of fire extinguish_____	4. laser rays
e. Gravity of sun and moon_____	5. light transparency object

(10x 2 = 20 Marks)