

FIRST TERM SUMMATIVE EXAMINATION - 2022**8** - Std**SCIENCE**Reg. No.

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Time : 2.00 Hrs

Marks : 60

I Choose the best answer.

10 X 1 = 10

1. SI unit of temperature is
 - a) Celsius
 - b) Fahrenheit
 - c) Kelvin
 - d) Ampere
2. Unit of pressure is
 - a) Pascal
 - b) Nm⁻²
 - c) Poise
 - d) Both a and b
3. The spherical mirror used as a rear view mirror in the vehicle is
 - a) Concave mirror
 - b) Convex mirror
 - c) Plane Mirror
 - d) None of the above
4. Which of the following substances will absorb more heat energy?
 - a) Solid
 - b) Liquid
 - c) Gas
 - d) All of the above
5. Pencil lead contains
 - a) Graphite
 - b) Diamond
 - c) Aluminium
 - d) Sulphur
6. is / are responsible for global warming.
 - a) Carbon di oxide
 - b) Methane
 - c) Chloro fluoro carbons
 - d) Carbon di oxide, Methane, Chlorofluoro carbons
7. Aerated water contains
 - a) Air
 - b) Oxygen
 - c) Carbon di oxide
 - d) Nitrogen
8. Common cold in human is caused by
 - a) Plasmodium
 - b) Influenza
 - c) Vibrio cholera
 - d) Aphthovirus
9. The first land plants are
 - a) Bryophytes
 - b) Pteridophytes
 - c) Gymnosperm
 - d) Angiosperm
10. In the absence of Oxygen, glucose is broken down into
 - a) Lactic acid
 - b) Citric acid
 - c) Acetic acid
 - d) Nitric acid

II Fill in the blanks.

5 X 1 = 5

1. is used to measure electric current.
2. Hydraulic lift works under the principle of
3. is the basic material to manufacture urea.
4. Microorganism can be seen with the help of a.....
5. The largest cell is egg of an

III Match the following.

5 X 1 = 5

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|------------------|---|----------------------------------|
| 1. Carbohydrates | - | CO ₂ , water and heat |
| 2. Glucose | - | Amino acid |
| 3. Protein | - | Glucose |
| 4. Amino acids | - | Cholesterol and other steroid |
| 5. Fatty acids | - | Enzymes, hormone, Protein |

IV Match the brief. (any five).

5 X 2 = 10

1. What is electric current?
2. How does surface tension help a plant?
3. Define focal length.
4. Define a chemical reaction.
5. What is global warming.
6. Which diseases can be prevented by vaccination?
7. Mention the function of 'Alveoli'?

V Answer the following questions shortly. (any five only).

5 X 3 = 15

1. State Pascal's law and mention its applications.
2. Define one calorie.
3. Write the symbol for the following elements.
a) Oxygen b) Gold c) Calcium d) Cadmium d) Iron
4. Define fermentation?
5. Seeds of gymnosperm plants are naked. Why?
6. Tabulate the differences between aerobic and anaerobic respiration.
7. What are antibiotics?

VI Answer in detail. (any three).

3 X 5 = 15

1. Describe an experiment to prove that the pressure in a liquid increases with depth.
2. Explain the working of thermos flask.
3. Tabulate the differences between metals and non - metals with properties.
4. What are the effects of acid rain? How can we prevent them?
5. Write a short note on bacteria and its structure.
6. Draw the structure of human eye and label its parts.