



21.02.2023

Standard 9

SCIENCE

Time: 1.30 Hours

Marks: 50

8×1=8

I. Choose the correct answer.

- 1) Calorie is the unit of
 a) heat
 b) work
 c) temperature
 d) food
- 2) Sound travels in air
 a) If there is no moisture in the atmosphere
 b) If particles of medium travel from one place to another
 c) If both particles as well as disturbance move from one place to another
 d) If disturbance moves
- 3) The sound waves travel faster
 a) in liquids
 b) in gases
 c) in solids
 d) in vacuum
- 4) Nandhini brings her lunch every day to school in a plastic container which has resin code number 5. The container is made of
 a) Polystyrene
 b) PVC
 c) Polypropylene
 d) LDPE
- 5) The legal measures to prevent plastic protection act 1988
 a) forest
 b) wildlife
 c) Environment
 d) Human rights
- 6) Radiochemistry deals with
 a) oxidants
 b) batteries
 c) isotopes
 d) nanoparticles
- 7) is the method of growing plants without soil
 a) Horticulture
 b) Hydroponics
 c) pomology
 d) none of these
- 8) Increased amount of in the atmosphere results in greenhouse effect and global warming
 a) carbon monoxide
 b) sulphur dioxide
 c) nitrogen dioxide
 d) carbon dioxide

II. Answer very briefly. (any six)

6×2=12

- 9) How does the water kept in an earthen pot remain cool?
- 10) Through which medium sound travels faster iron or water? Give reason
- 11) You and your friend are on the moon will you be able to hear any sound produced by your friend?

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- 12) Write all possible isomers of C_2H_6O .
- 13) Why are one-time use and throw away plastics harmful?
- 14) What are called Anaesthetics? How are they classified?
- 15) What are the types of vegetable garden?
- 16) What is adaptation?

SIVA KUMAR M.

Sri Ram Matric HSS,

Vallam - 627808

Tenkasi District

III. Answer briefly (any four).

4x4=16

- 17) a) Define thermal capacity
b) Why do people prefer wearing white clothes during summer.
- 18) List the applications of sound.
- 19) Differentiate graphite and Diamond
- 20) **Match the following**

1) Antipyretics	- Large surface area
2) Corrosion prevention	- Iodine - 131
3) Hyper thyroidism	- Fever
4) Nanoparticle	- Body building
5) Proteins	- Electroplating
- 21) List the medicinal importance of honey
- 22) List some of the ways in which you could save water in your home and school.

IV. Answer in Detail.

2x7=14

- 23) a) Explain convection in daily life.

(OR)

- b) Name the three safer resin codes of plastics and describe their features.

- 24) a) Define Mushroom culture. Explain the mushroom cultivation methods.

(OR)

- b) List out the adaptations of xerophytes.
