

FORMATIVE ASSESSMENT – SECOND MID TERM**SCIENCE****Max. Marks: 50****Std - VIII****Time: 2 Hrs**

Name of the School: _____	Name of the Student: _____
Place: _____	Roll No.: _____

I. Choose the correct answer:**7 x 1 = 7**

- Heat is a form of _____.
a) Electrical energy b) Gravitational energy c) Thermal energy d) None of these
- The process of converting a liquid into a solid is called _____.
a) Sublimation b) Condensation c) Freezing d) Deposition
- Conduction is the heat transfer that takes place in a _____.
a) Solid b) Liquid c) Gas d) All the form
- Solvay process is a method to manufacture _____.
a) Lime water b) Aerated water c) Distilled water d) Sodium carbonate
- Which of the following is known as azote?
a) Oxygen b) Nitrogen c) Sulphur d) Carbon dioxide
- _____ joints are immovable.
a) Shoulder and arm b) Knee and joint
c) Upper jaw and skull d) Lower jaw and upper jaw
- Which one of the following lack muscles and skeleton for movement?
a) Dog b) Snail c) Earthworm d) Human being

II. Short answers: (Any 6)**6 x 2 = 12**

- State True or false. If false, correct the statement.
(a) Converting a substance from solid to gas is called condensation
(b) There are 12 pairs of ribs in the human body.
- Name three types of heat transfer.
- List out the uses of Nitrogen (any two uses)
- What is dry ice? What are its uses?
- What is Cranium?
- Define muscle.
- If two liquids are given, how can we determine which one has higher specific heat capacity?
- Assertion and Reason:
(i) Assertion: If system can be converted from one state to another state.
Reason: It takes place when the temperature of the system is constant.
(a) Both assertion and reason are true, and the reason is the correct explanation of Assertion.
(b) Both assertion and reason are true, but the reason is not the correct explanation of Assertion.
(c) Assertion is true but the reason is false.
(d) Assertion is false but the reason is true.
- Define one calorie.

III. Match the following:**5 x 1 = 5**

- | | | |
|--------------------|---|--------------|
| 17. Sublimation | – | 80 |
| 18. Radiation | – | Fertilizer |
| 19. Nitrogen | – | Gas |
| 20. Water vapour | – | Solid to gas |
| 21. Axial skeleton | – | Humidity |

IV. Answer in brief: (Any 4)**4 x 4 = 16**

22. What are the applications of conduction in our daily life?
23. Write any two difference between.
(a) Melting and Freezing
(b) Boiling and Condensation
24. Name the compounds produced when the following substances burn in oxygen. (Any 5)
a) Carbon b) Sulphur c) Phosphorous
d) Magnesium e) Iron f) Sodium
25. Differentiate between the following.
(a) Movement and Locomotion
(b) Endoskeleton & Exoskeleton
26. What are the functions of the skeleton in human body?
27. How does carbon dioxide react with the following?
a) Potassium b) Sodium hydroxide

V. Answer in detail: (Any 2)**2 x 5 = 10**

28. With the help of a heat diagram, explain the working of a calorimeter.
29. What are the effects of acid rain? How can we prevent them?
30. Discuss the various types of movement seen in living organisms.