

FORMATIVE ASSESSMENT – THIRD 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: 11 x 1 = 11

1. Sound waves travels very fast in _____.

a) air b) metals c) vacuum d) liquids
2. The amplitude of the sound wave decided its _____.

a) speed b) pitch c) loudness d) frequency
3. The range of audible frequency for the human ear is _____.

a) 2 Hz to 2000 Hz b) 20 Hz to 2000 Hz

c) 20 Hz to 20000 Hz d) 200 Hz to 20000 Hz
4. Solubility of carbon dioxide in water is high when the _____.

a) pressure is low b) pressure is high

c) temperature is high d) none of the above
5. Which of the following is a water pollutant?

a) Lead b) Alum c) Oxygen d) Carbon dioxide
6. Water changes to ice at _____.

a) 0°C b) 100°C c) 102°C d) 98°C
7. The process of placing seeds in the soil is called _____.

a) ploughing b) sowing c) crop production d) crop rotation
8. Which of the following is not present in Panchegavya?

a) Cow dung b) Cow’s urine c) Curd d) Sugar
9. Effective micro organism preparation is used in _____.

a) seed treatment b) foliar spray

c) soil treatment d) bio predators
10. Organisms that control insects and past of plant crops are _____.

a) bio pesticides b) bio fertilizers c) earthworms d) neem leaves
11. Permanent hardness water is due to the presence of _____.

a) sulphates and chlorides b) carbonate and bicarbonate

c) dust particles d) other soluble particles

II. Answer the following: (Any 8) 8 x 2 = 16

12. Fill in the blanks with suitable words.

a) Sound is product by _____.

b) Water is colourless, odourless & _____.
13. Match the following:

a) Ultrasonics - Water pollutant

b) Universal solvent - Neem leaves

- c) Sewage - Water
 - d) Bio repellent - Frequency more than 20000 Hz
14. Give reasons for the following:
 - a) What is a universal solvent?
 - b) Hard water is not suitable for washing utensils.
 15. Define the following:
 - a) Freezing point
 - b) Potable water
 16. State true or false. If false, Correct the statement.
 - a) Soap lathers well in hard water.
 - b) Water unfit for drinking is called potable water.
 17. Assertion & Reason:
 - 1) Assertion: When lightning strikes, the sound is heard a little after the sun.
Reason: The reason of light is greater than that of sound.
 - 2) Assertion: Two persons on the surface of the moon cannot talk to each other.
Reason: There is no atmosphere on the moon.
 - a) Both assertion and reason are true, and the reason is the correct explanation of question.
 - b) Both assertion and reason are true, but the reason is not the correct explanation of question.
 - c) Assertion is true, but the reason is false.
 - d) Assertion is false, but the reason is true.
 18. What is an ultrasonic sound?
 19. Solve the numerical:

Ruthvik and Ruha hear a gunshot 2 seconds after it is fired. How far away from the gun. They are standing? (Speed of sound in air is equal to 330ms⁻¹)
 20. Name the gases evolved at the cathode and anode when water is electrolyzed, state their ratio by volume.
 21. Explain the anomalous behavior of water.

III. Answer the following questions: (Any 4)

4 x 4 = 16

22. i) Give any 3 difference between music and noise.
ii) What are the hazards of noise pollution?
23. i) Define specific latent heat of vaporization of water.
ii) What are the methods of removing hardness of water?
24. i) What is green manure?
ii) What do you mean by weeding?
25. i) Give a brief account on Krishi Vigyan Kendra.
ii) What is foliar spray?
26. i) What is vibration?
ii) Define: Boiling point.

IV. Answer in detail: (Any 1)

1 x 7 = 7

27. Describe an experience to show that sound cannot travel through a vacuum.
28. What is permanent hardness of water? How can it be removed?
29. What is a weed? Explain the different methods of weed control.