

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 travel 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) carbon dioxide d) oxygen
6. Water changes to ice at _____.

a) 0°C b) 100°C c) 102°C d) 98°C
7. Permanent hardness water is due to the presence of _____.

a) sulphates and chlorides b) carbonate and bicarbonate

c) dust particles d) other soluble particles
8. Acids are _____ in taste.

a) sour b) sweet c) bitter d) salty
9. Red ant sting contains _____.

a) acetic acid b) sulphuric acid c) oxalic acid d) formic acid
10. Sodium hydroxide is a _____.

a) acid b) base c) oxide d) alkali
11. Aqueous solutions of _____ conduct electricity.

a) acid b) base c) acids, bases, salts d) salt and base

II. Answer the following: (Any 8)

8 x 2 = 16

12. Fill in the blanks with suitable words:-
- a) Sound is produced 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 flash is seen.
Reason: The speed of light is greater than that of sound.
 - 2) Assertion:- Two persons on the surface of the moon cannot talk to each other.
 - a) Both assertion and reason are true, and the reason is the correct explanation of questions.
 - b) Both assertion and reason are true, but the reason is not the correct explanation of question.
 - c) Assertion is false, but the reason is true.
 - d) Assertion is false, but the reason is true.
18. What is an ultrasonic sound?
19. Explain the anomalous behaviour of water.
20. Name the gases evolved at the cathode and anode when water is electrolyzed, state their ratio by volume.
21. Define acid

III. Answer the following questions: (Any 4)

4 x 4 = 16

22. i) Give any three difference between music and noise.
ii) What are the hazards of noise pollution?
23. Difference between acids & bases.
24. State 4 uses of bases.
25. Write any four physical properties of bases.
26. i) What is an indicator?
ii) What is a neutralization reaction?

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 the permanent hardness of water? How can it be removed?
29. How will you prepare a natural indicator from turmeric powder?