

SUMMATIVE ASSESSMENT – THIRD TERM**SCIENCE****Max. Marks: 100****Std - VIII****Time: 2½ Hrs****I. Choose the best answer:****14 x 1 = 14**

1. The amplitude of the sound wave decides its _____.
a) speed b) pitch c) loudness d) frequency
2. One of the following is an example of a permanent magnet.
a) Soft iron b) Muemetal c) Electromagnet d) Neodymium
3. A compass is used for _____.
a) plotting magnetic lines b) detection of magnetic field
c) navigation d) all of the above
4. Mangalyaan was sent to _____.
a) Moon b) Mars c) Venus d) Mercury
5. Which of the following is a celestial body?
a) Sun b) Moon c) Stars d) All the above
6. Water changes to ice at _____.
a) 0°C b) 100°C c) 102°C d) 98°C
7. The gas collected at the cathode on electrolysis of water is _____.
a) Oxygen b) Hydrogen c) Nitrogen d) Carbon dioxide
8. Acides 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. _____ is a coal of superior quality.
a) Peat b) Lignite c) Bituminous d) Anthracite
11. The process of placing seeds in the soil is called _____.
a) ploughing b) sowing c) crop production d) crop rotation
12. Which of the following is not present in Panchagavya?
a) Cow dung b) Cow's urine c) Curd d) Sugar
13. The plants found in a particular area are known as _____.
a) fauna b) flora c) endemic d) rare
14. The Wildlife Protection Act was implemented in _____.
a) 1986 b) 1970 c) 1979 d) 1971

II. Match the following:

5 x 1 = 5

- 15. Ultrasonics - Water
- 16. Magnetite - Neem leaves
- 17. Universal solvent - Natural magnet
- 18. Octane rating - Frequency more than 20000HZ
- 19. Bio-repellant - Petrol

III. Answer the following: (Any 14)

14 x 2 = 28

- 20. Fill in the blanks with suitable answers:
 - a) Sound is produced by _____.
 - b) A magnet has _____ magnetic poles.
- 21. State True or False. If false, correct the statement.
 - a) Mars is the smallest planet in the solar system.
 - b) Soap lathers well in hard water.
- 22. Give reasons for the following:
 - a) Water is a universal solvent
 - b) Seawater is unfit for drinking
- 23. Answer in one or two sentences:
 - a) Name two endangered animals.
 - b) Give one example of an extinct species.
- 24. Define the following:
 - a) Potable water
 - b) Freezing point
- 25. Assertion and Reasoning:
 - (i) Assertion: Iron fillings are concentrated more at the magnetic poles.
Reason: The magnets are so sharp.
 - (ii) Assertion: The Earth's magnetic field is due to iron present in its core.
Reason: A magnet loses its property or magnetism at a high temperature.
 - 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.

26. What is an ultrasonic sound?
27. Define magnetism.
28. Name any two Indians who worked at NASA.
29. Explain the anomalous behaviour of water.
30. What is an acid? Give an example.
31. Expand CNG and give any one of its uses.
32. Name the methods of sowing.
33. What is IUCN? Expand and state its purpose.
34. What are celestial objects?
35. What is an indicator?

IV. Answer the following questions (Any 8):

8 x 4 = 32

36. Define the following terms:
(i) Amplitude (ii) Loudness
37. Write any four points on hazards of noise pollution.
38. State (a) attractive and (b) directive property of a magnet.
39. Write any four similarities between acids and bases.
40. Distinguish between octane and cetane number.
41. Write the advantages of the Red Data Book.
42. Mention any four main reasons for the conservation of forests.
43. Anthracite is the highest grade of coal. Give a reason.
44. Write any four physical properties of bases.
45. List out the objectives of Mangalyaan.

V. Answer in detail: (Any 3)

3 x 7 = 21

46. Explain the types of rocket propellants.
47. What are the uses of acids? (7 points)
48. Explain the different types of coal.
49. What is a weed? Explain the different methods of weed control.
50. What are the achievements of Chandrayaan-1?