



विद्या सर्वार्थ साधिका

ANANDALAYA  
PERIODIC TEST - 2  
Class : VIII

Subject: Science

Date: 26/09/2019

M.M : 50

Time : 2 Hours

**General Instructions:**

1. All questions are compulsory. There are 23 questions in all.
2. Question numbers 1 to 11 are objective type questions and carry 1 mark each.
3. Question numbers 12 to 14 are short answer questions and carry 2 marks each.
4. Question numbers 15 to 20 are also short answer questions and carry 3 marks each.
5. Question numbers 21 to 23 are long answer questions and carry 5 marks each.

1. Loudness of sound is measured in \_\_\_\_\_. (1)  
(a) nanometre (b) hectare (c) decibel (d) joule
2. An object completes 900 oscillations in 30 seconds. Its frequency is \_\_\_\_\_. (1)  
(a) 30 Hz (b) 3 Hz (c) 0.30 Hz (d) 0.03 Hz
3. Terycot is made up of terylene and \_\_\_\_\_. (1)  
(a) Cotton (b) silk (c) wool (d) polyester
4. Read the following terms and select the pair that is related to inheritance of characters. (1)  
(a) Chromosomes and Cell Membrane (b) Chromosomes and Cell wall  
(c) Chromosomes and Mitochondria (d) Chromosomes and Genes
5. In rainy season there are more chances for us to get infected by the microbe that causes common cold. The type of microbe that causes it is \_\_\_\_\_. (1)  
(a) Virus (b) Bacteria (c) Protozoa (d) Fungi
6. Magnetic effect of electricity is used to check the electrical conductivity of a liquid. True/False) (1)
7. Which of the following statements is true for Eukaryotic organisms? (1)  
(a) All eukaryotic organisms are multicellular.  
(b) They have a well organized nucleus.
8. Plastics are \_\_\_\_\_ because they cannot decay or rot by bacteria or fungi. (1)  
(OR)  
Rayon is different from synthetic fibre because it obtained from\_\_\_\_\_.
9. What do we add to distilled water in order to make it conducting? (1)
10. Why is plastic used to make handles of cooking utensils? (1)
11. Why do the plant cells have an additional layer of cell wall surrounding the cell membrane? (1)
12. Explain any two harmful effects associated with the disposal of plastics. (2)

13. Name the following: (2)
- The maximum displacement of the vibrating particle from its mean position.
  - Presence of unwanted sounds in the environment.
  - Sound wave does not travel through it.
  - Sound producing organ of human.

14. How do microbes help in cleaning the environment? (2)

15. (a) What is a wave? (b) How does sound wave travel in air? (3)

OR

- What is the frequency range of human hearing?
- Differentiate between ultrasound and infra sound.
- What is the function of auditory nerve in human ear?

16. (a) Draw loud sound wave of frequency 10 Hz. (3)
- (b) Suggest four methods to reduce unpleasant sound in your locality.

17. Give reason for the following: (3)

- Plastic containers are used in homes for storing food.
- We should not wear synthetic clothes while working in the kitchen.
- Nylon is used for making rock climbing ropes.

18. Anu and Manu go for shopping in the market and have chips. (3)

- There is no dustbin in the market area. What should they do with the empty packets of chips?
- Do you think the jute bags they are carrying for shopping are environmental friendly? Give reason for your answer.
- What is the alternative of jute bags?

19. Read the table given below and replace A, B, C, D with appropriate words (3)

CELL TYPE	PART / FEATURE	FUNCTION
Plant cell	A	Photosynthesis
B	Pseudopodia	C
D	Spindle Shaped	Contraction
Nerve Cell	E	F

20. Write scientific reasons for the given statements. (3)

- Viruses are microscopic but they are neither living nor nonliving organisms.
- Antibiotics are not effective against viral diseases.
- Vaccination is not a part of treatment against any particular disease.

21. (a) Describe electroplating method of coating silver on a steel spoon with the help a diagram. (5)
- (b) Mention any two effects of electroplating on the surface of the material.

22. What are two types of plastics? Give two examples of each. List any three properties of plastics. (5)

23. Our atmosphere has 78% nitrogen gas but it is essential constituent of all living organisms. The atmospheric nitrogen cannot be taken directly by plants and animals yet it is made available to both. Draw the Nitrogen cycle and explain how nitrogen is made available to all living organisms. (5)