

ATOMIC ENERGY CENTRAL SCHOOL-2, MUMBAI

PERIODIC TEST-1: 2022-23

Class: VIII
Subject: SCIENCE

Time: 1 ½ Hrs
Max Marks: 40

General Instructions:

- i) The question paper comprises of **two parts- Part A and Part B**. There are **24 questions, and all** questions are compulsory.
 - ii) **Part A:** Q. No **1 to 15** are multiple choice questions (MCQs) carrying one mark each which includes Assertion and Reasoning type and Case Study type questions.
 - iii) **Part B:** Q. No **16 to 19** are **Short Answer type-I (SA-I)** questions carrying two marks each.
 - iv) **Part B:** Q. No **20 to 23** are **Short Answer type-II (SA-II)** questions carrying three marks each.
 - v) **Part B:** Q. No **24** is a **Long Answer type (LA)** carrying five marks.
 - vi) Draw neat and labelled diagram wherever necessary.
-

PART – A

Choose the correct answer from the following:

(1M x 15 = 15M)

1. The ideal months for harvesting Rabi crop are:
a) June / July b) August / September c) September / October. d) April/May.
2. The unwanted plants growing along with the main crop are called:
a) Weeds b) flowering plants c) Crop plants. d) herbs.
3. Watering of crop at regular intervals is called:
a) Sowing. b) Manuring. c) Irradiating. d) Irrigation.
4. Method of turning and loosening of soil is called:
a) Harvesting. b) Ploughing. c) levelling. d) threshing.
5. Levelling of soil helps to prevent:
a) Soil erosion. b) Cultivation. c) Sowing. d) Drought.
6. The process of conversion of sugar into alcohol is known as:
a) vaccination. b) transformation. c) respiration. d) Fermentation.
7. The substance that is used to produce immunity against diseases in the living body.
(a) Vaccine. b) Antibody. c) Antigen. d) Immune.
8. A dangerous human and cattle disease caused by a bacterium is caused by _____.
(a) Dengue. b) Malaria. c) Anthrax. d) Common cold
9. Petroleum is also known as _____.
a) Black Gold. b) Tar. c) Coke. d) Petrol.
10. The petroleum product used for surfacing of road is _____.
a) Peat. b) Bitumen. c) Coal Tar. d) Gasoline.
11. Natural gas stored under high pressure is called.
a) CNG. b) LPG. c) KLG. d) CPG.

Directions: Q. No: 12 & 13 consists of two statements – Assertion and Reason.

Answer the following by selecting an appropriate option from below:

- a. Both Assertion & reason are true, and the reason is the correct explanation of the assertion.
- b. Both Assertion & reason are true, but the reason is not the correct explanation of the assertion.
- c. Assertion is true, but the reason is false.
- d. Assertion is false, but the reason is true.

12. Assertion: Coal and Petroleum can be prepared in laboratory.

Reason: Formation of coal and petroleum is a slow process and requires very high temperature and pressure.

13. Assertion: Salt and vinegar are used as preservatives.

Reason: Preservatives are the substances which are used to check the growth of microorganisms.

Read the following passage and answer. No 14 & 15.

All mosquitoes breed in water. Hence, one should not let water collect anywhere, in coolers, tyres, flowerpots etc. By keeping the surroundings clean and dry we can prevent mosquitoes from breeding.

- 14. Name two diseases which spread through mosquitoes.
- 15. Write one precaution (other than given above) to prevent breeding of mosquitoes in our surroundings.

PART B:

(2M x 4 = 8M)

- 16. Draw a labelled diagram of a Hoe.
- 17. What are communicable diseases? Give two examples of communicable diseases.
- 18. Give any TWO advantages of using manure over fertilizers?
- 19. Give any two advantages of using CNG and LPG as fuels.

PART C:

(3M x 4 = 12M)

- 20. Differentiate between traditional and Modern methods of irrigation. (Any 3 points)
- 21. What are Anti-biotics? What precautions should be taken while using them?
- 22. Draw the outline diagram of Nitrogen cycle.
- 23. What are inexhaustible and Exhaustible resources? Give 2 examples for each.

PART D:

(1M x 5 = 5M)

- 24. a) Explain the process of formation of coal? What is this process called? (3M)
- b) Name the useful products formed when coal is processed in Industry? (2M)
