



**ST. MARGARET SR. SEC. SCHOOL
MID TERM EXAMINATION 2023-24**

**SCIENCE
CLASS VIII
SAMPLE PAPER**

Time: 2Hr 30Min

M.M: 60

GENERAL INSTRUCTIONS:

- All questions are compulsory.
- Section A carries 1 mark each.
- Section B carries 2 marks each.
- Section C carries 3 marks each.
- Section D carries 5 marks each.

SECTION A

Choose the correct answer:

1. A place in the environment where an organism lives is called a _____
a) Sanctuary b) Resort c) Habitat d) Reservoir
2. A sanctuary is a place where _____.
a) animals are protected b) plants are protected
c) office of forest department d) a tribal village is protected
3. The strength of force is expressed by?
a). weight b). mass c). magnitude d). longitudinal force
4. When two forces act in opposite directions, then net force acting two forces
a). sum of two factors b). difference between two factors
c). both of these d). none of these
5. Leaves or fruits fall on the ground due to
a). Magnetic force b). gravitational force
c). Electrostatic force d). muscular force
6. Which of the following is obtained from coal tar?
a). Petrol b). Coke c). Air d). Naphthalene balls
7. Purest form of carbon is.
a) Coal b) Charcoal c). Coke d). All of these
8. Which zones represent partial combustion of the flame?
a) Outer zone b) middle zone c) Inner zone d) lower zone
9. The rod-shaped bacteria are called.
a) Bacillus b) Coccus d) Vibrio d) Spirillum
10. Substances that catch fire are called _____.
a) Acid b) combustible substances c) Non-combustible substances d) Bases
11. In which of the following human diseases are caused by protozoa?
a) Hepatitis B b) Typhoid c) Malaria d) All of the above
12. The process of conversion of sugar into alcohol is known as:
a) Pasteurization b) Fermentation c) decomposition d) None of these
13. Which of the following is an example of a rabi crop?
(a) Potato (b) Onion (c) Jute (d) Pulses

14. The process of beating out grains from the harvested wheat crop
 a) Beating b) crushing c) Threshing d) Harvesting
15. Liquid exerts pressure on the walls of the container.
 a) Yes b) No c) can't say d) None of these
16. The pressure exerted by the air is known as
 a) air pressure b) gas pressure c) atmospheric pressure d) ne of these
17. Read the following passage and answer the following questions.
 For centuries human activities such as hunting, and encroachment have led to degradation of forests and extinction of many species of plants and animals. Government of India has taken many steps to conserve forests and wildlife.
- a) What products are obtained from forests and wildlife?
 (b) How can we help in conserving forest and wildlife?
 (c) Can you name some organization which are working against killing or poaching of animals?
 (d) Define ecosystem.
18. Each question consists of two statements, namely Assertion (A) and Reason (R). Select the correct answer for these questions from the codes (a), (b), (c), (d)
- a) Both Assertion (A) and Reason (R) are the true and Reason (R) is a correct explanation of Assertion (A).
 b) Both Assertion (A) and Reason (R) are the true, but Reason (R) is not a correct explanation of Assertion (A)
 c) Assertion (A) is true, and Reason (R) is false.
 d) Assertion (A) is false, and Reason (R) is true.
- i) Assertion: Endemic species of plants and animals are found easily.
 Reason: Indian giant squirrel and flying squirrel are endemic species.
- ii) Assertion: Natural gas is a very important fossil fuel.
 Reason: Because it is easy to transport through pipes.
- iii) Assertion (A): A non-luminous flame is accompanied with heat but very little light.
 Reason(R): A blue flame is produced due to incomplete combustion.
- iv) Assertion - Sowing of seeds is the process through which seeds are planted in soil.
 Reason- Broadcasting is also called seed drill.
19. Crackers on ignition produce sound. Why?
20. Name two crops belonging to rabi crops.
21. Ravi observed that a goldsmith was trying to melt a gold ring using the candle flame. which part of the candle flame will the goldsmith use. Why?
22. Why is the process of weeding necessary?
23. A student in a village area observed a few green patches on the boundary wall of his school. He asked him about the green patches to his teacher. His teacher clarifies the doubt of that student. Now he can recognize the group of organisms belonging to the green patches. In your view, green patch is most likely to be?
24. On Rahul's birthday, his mother prepared many dishes for him. After having their meal, they found that many food items were left over. Rahul's mother kept these leftovers in an air-tight container and refrigerated them. What is food preservation?
25. What do you mean by the term agricultural practice?
26. Why do we need to recycle paper?

27. Force of 10N acting on an area produces a pressure of 26Pa on the area. Calculate the area on which pressure is exerted.
28. A boat comes to rest if we stop rowing it. Name the force responsible to bring the boat at rest.
29. How can we prevent cholera?
30. Give two examples of endangered species.

SECTION B

31. Give reason for the following.
- a) farmers prefer to grow beans and peas in nitrogen deficient soils.
 - b) Mosquitoes can be controlled by preventing stagnation of water though they do not live in water. Why?
32. What do you mean by migration. Write the cause of migration of birds.
33. Name two products that you can obtain from the destructive distillation of coal. What is the residue left in this process?
34. What is the role of water in fire extinguishers.
35. What is the importance of storage of food.

SECTION C

36. Give reason for the following. (1+1+1)
- a) Why does cooking oil catch fire if a frying pan is kept on the burning stove for a long time?
 - b) How do forest fires occur during the hottest summer days?
 - c) The fire produced by petrol cannot be extinguished by using water. Explain why?
37. What are the advantages of ploughing the soil before sowing seeds? Any three.
38. a) Define fossil fuels.
- b) What is CNG? What are its uses?

SECTION D

39. a) Why does a sharp knife cut better than a blunt knife?
- b) State any two characteristics of force.
- c) Can a force act on an object even when it is not in contact with the object? Give examples. (1+2+2)