



ST. MARGARET SR. SEC. SCHOOL
MID TERM EXAMINATION (2024-25)
SCIENCE CLASS VIII
SAMPLE PAPER

Time: 2.5 hrs.

MM 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

Q1. What is force?

- (a) Pull (b) push (c) push and pull both (d) none of these

Q2. Fauna indicates for

- (a) Plants (b) Animals (c) Both plants and animals (d) None of these

Q3. Common cold is caused by the following microbe.

- (a) Bacteria (b) Virus (c) Fungi (d) Protozoa

Q4. The strength of force is expressed by?

- (a) Weight (b) mass (c) magnitude (d) longitudinal force.

Q5. Which chemical is used in the rubbing surface provided for matchsticks?

- (a) Sulphur (b) Magnesium (c) Red phosphorus (d) White phosphorus

Q6. Project Tiger was launched on

- (a) 1 April 1973 (b) 23 May 1973 (c) 21 September 1973 (d) 25 December 1973

Q7. The practice of growing two or more dissimilar crops in the same field one after another is

- (a) tilling (b) plantation (c) weeding (d) crop rotation

Q8. Part of earth which supports the biodiversity is called

- (a) Biosphere (b) Sanctuary (c) Ecosystem reserve (d) Biotic community

Q9. Which of the following is a pair of exhaustible natural resources?

- (a) Coal and soil (b) Air and sunlight
(c) Water and petroleum (d) Wildlife and minerals

Q10. In the circuit shown in figure, when the circuit is completed, the hammer strikes the gong.

Which of the following force is responsible for the movement of hammer?



(a) Gravitational force alone (b) Electrostatic force alone

(c) Magnetic force alone (d) Frictional force **alone**

Q11. The places where animals receive protection is called

- (a) Zoo (b) National parks (c) Rock shelters (d) None of these

Q12. Which one of the following conditions is not essential to grow maize?

(a) High temperature (b) Humidity (c) Low temperature (d) Rainfall
Q13. Pathogenic microorganisms present in host cells are killed by medicines called

(a) pain killer (b) antibodies (c) antibiotics (d) vaccines

Q14. Which one among the following is considered as the cleanest fuel?

(a) Cow dung cake (b) Petrol (c) Kerosene (d) Hydrogen gas

Q15. Which of the following activities are prohibited in national parks, sanctuary and biosphere reserves?

(a) poaching (b) hunting (c) Felling trees (d) All of these.

Q16. The term used for the process of separation of grains from chaff is :

(a) Sieving (b) winnowing (c) threshing (d) handpicking

Q17. Case Study:

Coal is an exhaustible natural resource. It is called a fossil fuel as it formed from the remains of dead plants buried deep under the earth for about 200-300 millions of years under very high temperature and pressure. Coal can be processed and converted into other useful products like coke, coal tar and coal gas. Coke contains almost carbon. Coal tar is a thick black liquid which is used in laying down roads, while coal gas is used as a gaseous fuel.

(i) Coal is called a fossil fuel because it is

(a) an exhaustible resource

(b) a natural resource

(c) formed deep in earth under high pressure and temperature.

(d) formed from remains of plants buried under the soil.

(ii) _____ is tough, porous and black substance obtained from coal.

(a) Coal tar (b) Coke (c) Carbon (d) Coal Oil

(iii) The gaseous fuel obtained from coal is called :

(a) Coke gas (b) Coal Gas (c) Coal Tar (d) Carbon Gas.

(iv) Which of the following conditions is important for the formation of coal?

(a) High pressure (b) High Temperature (c) Both (a) & (b) (d) 10,000 Years.

Q18. 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) Both Assertion (A) and Reason (R) are the true and Reason (R) is a correct explanation of Assertion (A).

Both Assertion (A) and Reason (R) are the true, but Reason (R) is not a correct explanation of Assertion (A)

Assertion (A) is true, and Reason (R) is false.

Assertion (A) is false, and Reason (R) is true

Assertion (A): Water does not play any role in crop production.

Reason (R): Irrigation helps in crop productivity.

Assertion (A): Seed drill and hoe are the agricultural implements.

Reason (R): Agricultural practices are done by using tools.

Assertion (A): Sunlight is an exhaustible natural resource.

Reason (R): Sun will continue radiate energy for the so far.

Assertion (A): CNG is a better fuel than Coal.

Reason (R): CNG causes less pollution.

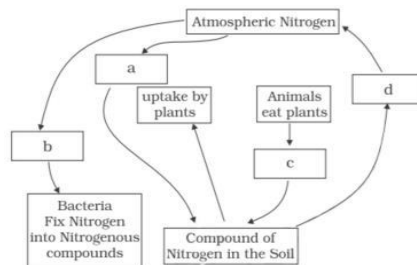
- Q19. Which microorganism is the cause of malaria?
 Q20. How are meat and fish preserved?
 Q21. Water is not used to control fires involving electrical equipment. Give reason.
 Q22. What are antibiotics?
 Q23. A ball of dough is rolled into a flat chapatti. Name the force exerted to change the shape of the dough.
 Q24. Where do we apply a force while walking?
 Q25. A girl is pushing a box towards the east direction. In which direction should her friend push the box so that it moves faster in the same direction?
 Q26. Which gas is predominantly responsible for global warming?
 Q27. Define rapid combustion
 Q28. Which microbe is used in making bread?
 Q29. What is Red Data Book?
 Q30. Name any two domestic uses of microorganisms?

SECTION B

- Q31. A. Which zone of the flame is luminous and why?
 B. Which zone is called the zone of complete combustion and why?
 Q32. A. Why does the rope not to move sometimes in a tug of war game?
 B. We know that there is a huge amount of atmospheric pressure on us. But we do not experience its effect why?
 Q33. Differentiate between Endangered and Extinct species
 Q34. State any two advantages of using LPG and CNG as fuels.
 Q35. What is the calorific value of a fuel that completely burn 5.2 kg of fuel to produce heat of 286000 kJ?

SECTION C

- Q36. A. Define crops.
 B. Explain how crop rotation works? 1+2
 Q37. A. How do fluids exert pressure?
 B. What is a muscular force? Why is it called a contact force? 1+2
 Q38. A. State the importance of leguminous plants.
 B. complete the nitrogen cycle. 1+2



- Q39. A. How is a National Park different from a wildlife Sanctuary?
 B. Discuss the effects of deforestation on the following:
 (a) Wild animals
 (b) Environment
 (c) Villages (Rural areas)

2 + 3

