



ST. MARGARET SR. SEC. SCHOOL
Sample Paper

FINAL -TERM EXAMINATION 2024-25

Time: 2 Hr 30 Min

SCIENCE

M.M.= 60

CLASS VI

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

Select the correct option (Q1-16) (MCQ)

Q1. Which part of the circuit is used to open or close the circuit?

- a. Bulb b. Switch c. Battery d. Wire

Q2. Oxygen is supporter of

- a. nitrogen b. combustion c. smoke d. dust

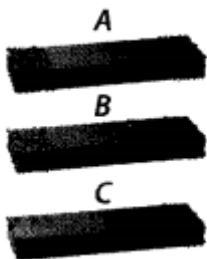
Q3. Light is a form of

- a. Length b. Energy c. Mass d. Power

Q4. The component of air which is utilised by the plants during photosynthesis is

- a. carbon dioxide b. oxygen c. nitrogen d. water vapour

Q5. Three magnets A, B and C were dipped one by one in a heap of iron filing. Figure shows the amount of the iron filing sticking to them.



The strength of these magnets will be

- a. $A > B > C$ b. $A < B < C$ c. $A = B = C$ d. $A < B > C$

Q6. Which of the following is/are not always necessary to observe a shadow?

- a. Sun b. Screen c. Source of light d. Opaque object

Q7. The invention of which of the following has made a great change in modes of transport?

- a. Wheel b. Steam engine c. Fire d. taming animals

Q8. Following are some features of plants.

- (i) They lose a lot of water through transpiration.

- (ii) Their leaves are always broad and flat.
- (iii) They lose very little water through transpiration.
- (iv) Their roots grow very deep into the soil.

Which of the combination of above features are typical of desert plants?

- a. (i) and (ii) b. (ii) and (iv) c. (ii) and (iii) d. (iii) and (iv)
- Q9. The length covered in one step by a person is called
- a. Cubit b. Pace c. Handspan d. Finger
- Q10. Earthworm moves with the help of its
- a. shell b. muscle and setae c. muscular foot d. whole body.

Q11. Salt is obtained from seawater by the process of _____.

- a. Sedimentation b. Decantation c. Evaporation d. Distillation

Q12. Which of the following cannot be called a habitat?

- a. A desert with camels c. A jungle with wild animals
- b. A pond with fishes d. Cultivated land with grazing cattle

Q13. Which of the following terms constitute the male part of the flower?

- a. Sepals, petal and stamen c. Ovary, stamen and stigma
- b. anthers and filament d. Ovary, style and stamen

Q14. Boojho comes across an animal having a stream-lined and slippery body. What is the habitat of the animal?

- a. Water b. Desert c. Grassland d. Mountain

Q15. Which one of the following is not associated with reproduction?

- a. A new leaf coming out of a tree branch.
- b. A dog giving birth to puppy.
- c. A seed growing into a plant.
- d. Chick hatching from an egg.

Q16. Which of the following processes is used to separate grains from stalks?

- a. Threshing b. Winnowing c. Handpicking d. All of the above

Q17. **Case Study:** The teacher kept some water in a beaker for heating and told the students to observe what happens. The students observed that tiny bubbles appeared before the water started to boil.

Teacher boiled the water for 5 minutes and then filled hot water in a bottle up to the brim. She put the cap on the on the bottle to make it airtight. Then she cooled the bottle to room temperature.

Q a. Why did the tiny bubbles appear in water?

Q b. Do you think tiny bubbles will appear on heating the water taken out from the bottle? Explain.

Q c. What will happen if the soil is added to this water? 1+2+1

Q18. For question numbers 1 to 4 two statements are given- one labelled **Assertion (A)** and the other labelled **Reason (R)**. Select the correct answer to these questions from the codes (a), (b), (c) & (d).

- (a) Both (A) and (R) are true and (R) is the correct explanation of the assertion.

(b) Both (A) and (R) are true and (R) is not the correct explanation of the assertion.

(c) (A) is true but (R) is false.

(d) (A) is false but (R) is true.

1. **Assertion (A):** A simple magnetic compass can be prepared by inserting a magnetised iron needle in a piece of cork and allow the cork to float in water kept in a bowl.

Reason (R): In the above arrangement the needle must touch water while floating.

2. **Assertion:** In air there are nitrogen, oxygen, CO₂, H₂O and other gases are found.

Reason: Air is the mixture of different gases.

3. **Assertion (A):** While measuring the length, the eye of the observer should be exactly above that point of measurement to avoid the parallax error.

Reason (R): The scale used to measure the length of the object must be greater than the length of the object.

4. **Assertion (A):** Silver is not used to make electric wires.

Reason (R): Silver is a good conductor, but it is not cost effective.

Q19. Define winnowing

Q20. Why do leaves of cactus plants reduce to spines?

Q21. Define cartilage

Q22. Name the unit of length, which should be used to express the thickness of a coin.

Q23. What are floating ribs?

Q24. State two properties of light.

Q25. Name the respiratory organ in terrestrial animal.

Q26. If strong winds blow only in one direction, what will be the effect on trees?

Q27. Why do snakes and rats come out of the soil during rain?

Q28. Write any two properties of magnet.

Q29. State any one use of electromagnet.

Q30. Define response.

SECTION - B

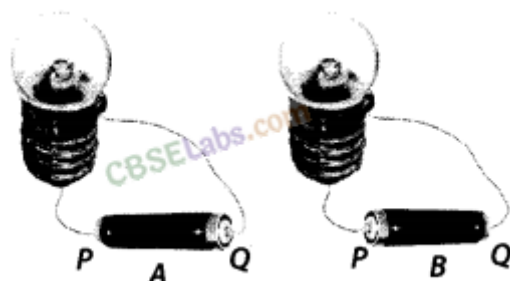
Q31. Differentiate between trees and shrubs

Q32. Define pinhole camera. On what principle it works?

Q33. Explain the adaptation of animals to live in mountain region.

Q34. Nature maintains a balance of carbon dioxide and oxygen in the atmosphere. Comment.

Q35. Figure A and B, show a bulb connected to a cell in two different ways.



(i) What will be the direction of the current through the bulb in both the cases (Q to P Or to Q)?

(ii) Does the brightness of the glowing bulb depend on the direction of current through it?

SECTION - C

Q36. Draw a well labelled diagram of tap root and fibrous root

Q37. a. Define electric current

b. Why should an electrician use rubber gloves while repairing an electric switch at your home? Explain.

Q38. a. Define shadow

b. What do we need to see a shadow?

c. Give examples of two substances through which light does not pass? 1+1+1

SECTION – D

Q39. A. Differentiate between biotic and abiotic component.

b. Write the adaptive features of

(i) submerged plants.

(ii) floating plants

(iii) Fish

2+3