



ST. MARGARET SR. SEC. SCHOOL
Sample Paper

FINAL -TERM EXAMINATION 2024-25

Time: 2 Hr 30 Min

SCIENCE

M.M.= 60

CLASS VII

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 of the following organs does not secrete digestive juices?

- a. Small intestine b. liver c. stomach d. oesophagus.

Q2. Property which is common between vinegar and curd is that both

- a. have sweet taste c. are tasteless d. acidic in nature

Q3. In cockroaches, air enters the body through

- a. lungs b. gills c. spiracles d. skin

Q4. Haemoglobin is present in

- a. RBC b. WBC c. Plasma d. Blood platelets

Q5. Tartaric acid is present in

- a. Vinegar b. tamarind c. amla d. spinach

Q6. Seeds of coconut and water lily are carried to long distances by wind because they possess

- a. Spongy or fibrous layer b. winged seeds c. long and rigid fruits d. spiny seeds

Q7. We write symbols of units in

- a. Singular b. plural c. Any of these d. Some in singular and some in plural

Q8. You are provided with a convex mirror, a concave mirror, a convex lens and a concave lens. You can get an inverted image from

- a. both the concave lens and convex lens.
- b. both concave mirror and convex mirror.
- c. both concave mirror and convex lens.
- d. both convex mirror and concave lens.

Q9. Three bulbs A, B, C are connected in a circuit, as shown in Figure 14.2. When the switch is 'ON'

- (a) bulb C will glow first.
- (b) bulb B and C will glow simultaneously, and bulb A will glow after some time.
- (c) all the bulbs A, B and C will glow at the same time.
- (d) the bulbs will glow in the order A, B and C.

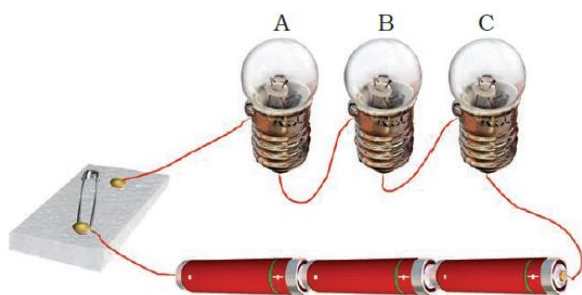


Fig. 14.2

Q10. Which of the following is a part of inorganic impurities of the sewage?

- (a) Pesticides (b) Urea (c) Phosphates (d) Vegetable waste

Q11. Lila observed that a pond with clear water was covered up with green algae within a week. By which method of reproduction did the algae spread so rapidly?

- (a) Budding (b) Sexual reproduction (c) Fragmentation (d) Pollination

Q12. Which of the following is wastewater?

- a. Water trickling from a damaged tap. b. Water coming out of a shower.
- c. Water flowing in a river. d. Water coming out of laundry.

Q13. The correct symbol to represent the speed of an object is

- (a) 5 m/s (b) 5 mp (c) 5 m/s-1 (d) 5 s/m

Q14. Purified copper sulphate form can be obtained by the process of

- a. galvanisation b. crystallisation c. evaporation d. filtration

Q15. The heating element in an electric heater is usually made up of the following

- a. Iron b. steel c. steel wool d. nichrome

Q16. Veins allow blood to flow only

- a. towards heart b. away from heart c. towards lungs d. away from lungs

Q17. **Case Study:** Read the following passage and answer the following questions.

A group of students performed the following experiment. They took three test tubes. In test tube A, they put a solution of copper sulphate, in test tube B water and in test tube C oil. Then they put clean iron nail into each test tube and observed after about a week.

- What change do you expect in test tube A?
- Name the type of change in nail in test tube B.
- Explain the change in nail in test tube C.
- Name the compound formed on nail in test tube B.

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).

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

1. **Assertion:** Alcohol is formed during anaerobic respiration in plants.

Reason: Anaerobic respiration occurs in the absence of carbon dioxide.

2. **Reason:** Speedometer records the speed of the vehicle generally in km/h.

Reason (R) : Odometer measures the distance moved by the vehicle in one hour.

3. **Assertion :** Copper rods are preferred to iron rods for making lightning conductors.

Reason (R): Copper is a better conductor of electricity.

4. **Assertion (A):** The air bubble shines in water.

Reason (R): Air bubble in water shines due to refraction of light.

Q19. Define rumination

Q20. Calamine solution is applied on the skin when an ant bites. Why?

Q21. Complete the equation:



Q22. On a very cold morning, Boojho and Paheli were talking with each other as they walked down to their school. They observed that the air coming out of their mouth looked like smoke. They were amused and wondered how it happened. Help them find the answer.

Q23. Write the function of stomata

Q24. Wall of arteries thick. Why?

Q25. A spaceship travels 26000 km in one hour. Express its speed in km/s.

Q26. Define electric current

Q27. Which type of lens forms always a virtual image?

Q28. State any one role of haemoglobin.

Q29. Define electromagnet

Q30. Why should oils and fats be not released in the drain?

SECTION -B

Q31. Write the functions of

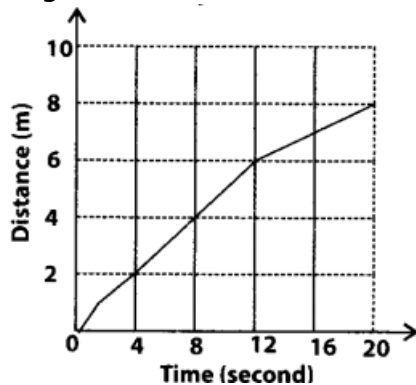
- a. Bile Juice b. hydrochloric acid

1+1

Q32. What will happen if there are no platelets in the blood?

Q33. Draw a female reproductive part of a flower.

Q34. Figure given below is the distance-time graph of the motion of an object.



(i) What will be the position of the object at 20 s?

(ii) What will be the distance travelled by the object in 12 s?

1+1

Q35. Mention the type of image

(a) which can be formed on the screen.

(b) which cannot be formed on the screen.

1+1

SECTION - C

Q36.a. Define excretion

b. Why is it necessary to excrete waste products?

1+2

Q37. a. Draw convex lens.

b. Why does a room look brighter if we place mirrors near light?

1+2

Q38. a. What is sludge?

b. Explain the function of bar screens in a wastewater treatment plant.

1+2

SECTION - D

Q39.a. Give two examples of roots which we used to eat.

b. Differentiate between self-pollination and cross-pollination.

c. When you keep food items like bread and fruits outside for a long time especially during the rainy season, you will observe a cottony growth on them.

(i) What is this growth called?

(ii) How does the growth take place?

1+2+2