

Half Yearly Examination - 2022-23

Class - VIII

Subject - Science

Time :- 2:30 Hours

M.M. - 50

General Instruction:-

1. Question paper consist of 16 questions
2. All the questions are compulsory
3. Question paper consist of 4 sections. Section-A consist of 5 marks, Section-B consist of 2 marks, Section-C consist of 3 marks and Section-D consist of 4 marks each.

Section-A

Q.1 Multiple choice questions :

(1 × 5 = 5)

1. Yeast is used in the production of
(i) Sugar (ii) Alcohol
(iii) Hydrochloric acid (iv) Oxygen
2. Which of the following can be beaten into thin sheets?
(i) Zinc (ii) Phosphorus
(iii) Sulphur (iv) Oxygen
3. The number of nuclei present in a zygote is
(i) None (ii) One
(iii) Two (iv) Four
4. Which is not a main part of cell
(i) Cell membrane (ii) Cytoplasm
(iii) Nucleus (iv) Plastid
5. Red data Book contains a record of
(i) Endangered species (ii) Endemic Species
(iii) Extinct (iv) Migratory birds

Q.2 Fill in the blanks -

(1 × 5 = 5)

1. The first step before growing crops is _____ of the soil.
2. Microorganisms can be seen with the help of a _____.
3. Like synthetic fibers, plastic is also a _____.
4. Iron is _____ reactive than copper.
5. Least polluting fuel for vehicle is _____.

Q.3 Very short answer type questions:-

(1 × 5 = 5)

- (a) Name two animals in which a sexual reproduction take place by budding.
- (b) Name two non-metals.
- (c) Give two examples of Rabi Crop.
- (d) Write full form of PCRA.
- (e) Define sexual reproduction.

Section-B

Short answer type questions

(2 × 6 = 12)

Q.4 Give reason

Why aluminium foils are used to wrap food items?

Or

Why sodium and Potassium are stored in kerosene?

Q.5 What are weeds ? How can we control them.

Q.6 A pendulum oscillates 40 times in 4 seconds. Find its time period and frequency.

Q.7 Explain why sportsmen use shoes with spikes.

Q.8 Give two examples of situations in which applied force causes a change in the shape of an object.

Q.9 Why LPG is a better domestic fuel than wood.

Section – C

(3 × 5 = 15)

Q.10 ✓ Write three differences between plant and animal cell.

Q.11 ✓ What is metamorphosis? Give examples.

Q.12 ✓ List changes in the body that take place at puberty.

Q.13 ✓ Write three benefits of irrigation to crops.

Q.14 ✓ Explain how deforestation leads to reduced rainfall.

Section – D

(2 × 2 = 4)

Q.15 ✓ Differentiate between the following:-

(a) Zoo and wild life sanctuary

(b) Flora and Fauna

Or

✓ Explain the process of formation petroleum.

Q.16 Draw Nitrogen cycle.

(4)

Or

✓ Write four differences between Manure and fertilizer.