

Total No. of Questions:15

MSESZ/S-16

Total No. of Pages-4

Subject: Science

A-05

Roll No. 170671

Time: 2.30 Hrs.

SC-ASZ/S

Max. Marks 50

(Section - 1)

- Q. 1
- i. Blue green algae fix nitrogen directly from air to enhance fertility of soil.
 - ii. Fossil fuels can be made in the laboratory.
(True / False) ✓
 - iii. Internal fertilization takes place in frog.
True / False) ✓
 - iv. Unwanted sound is called noise
 - v. Honey contains 17% water and 78% sugar with minerals.
 - vi. Most liquids that conduct electricity are solutions of acids and bases, salts
 - vii. The north pole of a magnet attracts/repel the south pole of another magnet. ✓

(Choose the correct answer)

viii) Earthquakes can be predicted in advance.

(True / False) ✓

(1x8 = 8 marks)

(Section - 2)

Q.2 Why are mitochondria known as the power house of the cell?

Q.3 How meteors are different from meteorites?

Q.4 Why are the worn out tyres discarded?

Q.5 What are the different ways by which water gets contaminated?

Q.6. Can you store lemon pickle in an aluminium utensil? Explain.

Q.7 Define electroplating.

(6×2 = 12 Marks)

(Section -3)

Q.8 What is meant by protoplasm? How does it differ from cytoplasm?

Q. 9 Give reasons for the following:

- a) Immersion rods for heating liquids are made up of metallic substances.
- b) Copper cannot displace zinc from its solution.
- c) Sodium and potassium are stored in Kerosene.

Q. 10 Does pure water conduct electricity? If not, what we can do to make it conducting.

Q. 11 What is universe? Name six different kinds of heavenly bodies found in the universe.

Q. 12 State two advantages and disadvantages of friction.

(5 × 3 = 15 Marks)

(Section - 4)

Q. 13 Draw an outline diagram of animal cell. Label its parts.

or

Draw an outline diagram of plant cell. Label its parts.

Q. 14 Write five physical properties of metals.

or

Write uses of metals and non metals.

Q. 15 i) What do you understand by; i) New Moon ii) Full Moon

ii) What is star? What makes the star to give about vast amount of energy.

or

What is limiting friction? State laws of limiting friction.

(3x5 = 15)