



AnandNiketan

Maninagar Campus

Grade : VIII	Subject : Science	Date-
Syllabus: CH:1,2,3,4,5,6,7,8,9.	Empower-1 Assignment	Empower-1 – 80 Marks SEA- 05Marks PT-1(Written)-10Marks Notebook sub.-05Marks

Q – 1 Very Short Answer Questions.

1. What is the first step of growing crop?
2. Name the main modern method of irrigation?
3. Name a communicable disease transmitted through air?
4. Name the monomers of following polymers:(a) cellulose (b) nylon
5. What is meant by 'rusting of iron'?
6. Where is coal mainly found in India?
7. What causes greenhouse effect?
8. Mention the activities not permitted in Wildlife sanctuary?
9. Name two animals ,which reproduce by(a)asexual mode (b)sexual mode.
10. Name two exotic species?

Q – 2 Short Answer Questions.

1. How does an Amoeba reproduce by Binary fission ? Explain.
2. Why are chloroplast found in plant cell only?
3. What is reforestation?
4. Why is incomplete combustion of fuels more harmful to human beings?
5. What are inexhaustible natural resources? Name any two inexhaustible natural resources.
6. What is meant by 'reactivity series of metals'?
7. Why is Nylon used for making bristles of tooth brush?
8. What is meant by Fermentation ?Name the scientist who discovered it?
9. A farmer has sown seeds too deep.What is he likely going to observe?Give reason.

Q – 3 Practical Based Questions.

1. Why during ploughing , the land is pressed lightly and not tightly?
2. Why do we say that if a person suffers from Chickenpox once,he /she is not likely to be attacked by the same diseases in future?
3. Natural wool is attacked by moths whereas acrylic wool is not.Explain.
4. Why does magnesium ribbon starts to float on hot water.
5. Which of these will catch fire easily and why?
(a)green leaves or dry leaves (b) a piece of paper or a piece of wood
6. How does recycling of paper conserve natural resources?
7. Megha wants to observe a detailed structure of onion peel cells. Which instrument she should use and why?
8. Mother gives birth to a baby but the baby has Characters of both the parents.How is this possible?

Q – 4 Answer the following questions in Brief.

1. (a) Why is irrigation necessary ?
(b) Why is drip system of irrigation a water –economical method?
2. Why do the crops grown in Sandy soil need more frequent irrigation than crops grown in the clayey soil?
3. Explain the formation of curd from milk.
4. What is 5-R principle?
5. Why is petroleum called 'black gold'?
6. Write any four characteristics of an ideal fuel.
7. What is Migration? Name two migratory animals.

8. What is unicellular and multicellular Organisms? Give two examples of each.
9. Define foetus . After how many weeks of development , is a human embryo said to become a foetus?

Q – 5 Long Answer Questions.

1. (a) Draw a labelled diagram of an animal cell.
(b) Differentiate between animal cell and plant cell. Give any 5 differences.
2. What is a biosphere reserve? Name three biosphere reserves and their locations.
3. Distinguish between the three zones of candle flame .In tabular form.
4. How can we take care of fire victims. Give any five points.
5. (a) How is coal formed in nature ?
(b) How can we conserve fossil fuels?
7. Give reasons for the following:
 - (a) Wires cannot be drawn from wood.
 - (b) Oxygen is not brittle
 - (c) Sulphur cannot be used for making pipes.
 - (d) Diamonds are used for making jewellery.
 - (e) Sodium is stored in kerosene oil
8. Write any five environmental hazards of plastics.
9. Production of synthetic fibre help in conservation of forests, Comment.
10. Explain two methods of food preservation. Also, discuss the advantages of food preservation.
11. (a) What is a vaccine?
(b) How does it work?
(c) Why are the children vaccinated?
12. (a) what is a manure?
(b) write about the advantages and disadvantages of fertilisers.