

Section I: Each question carries 1 mark:

12 x 1 = 12 Marks

- 1: The thin wire that gives off light is called the \_\_\_\_\_ of the bulb?
- A. Filament
  - B. Resistor
  - C. Electric cell
  - D. Voltage
- 2: Burning can occur only in the presence of \_\_\_\_\_?
- A. Nitrogen
  - B. Oxygen
  - C. Carbon dioxide
  - D. Hydrogen
- 3: \_\_\_\_\_ is important part which helps in pollination?
- A. Fruit
  - B. Seeds
  - C. Flower
  - D. Leaves
- 4: Bears are \_\_\_\_\_ type of animal?
- A. Herbivore
  - B. Omnivore
  - C. Carnivore
  - D. None of these
- 5: The materials through which objects cannot be seen clearly are called \_\_\_\_\_?
- A. Opaque materials
  - B. Transparent materials
  - C. Translucent materials
  - D. Both B and C

6. The skeleton is made of bones and \_\_\_\_\_.

- A. Blood
- B. Skin
- C. Muscles
- D. Legs

7: \_\_\_\_\_ are the anchors to the plant?

- A. Stem
- B. Roots
- C. Leave
- D. Fruits

**State whether the following are True or false?**

- 8. Snakes have legs? (T/ F)
- 9. Starch and sugars are the sources of glucose? ( T /F)
- 10. Deficiency of vitamin A causes night blindness? (T/ F)
- 11. Ruler is a measuring device used to measure tree? ( T/ F)
- 12. Water has a high boiling point and melting point? (T/ F)

**Section II: Each question carriers 2 marks:**

**Very short answer type questions:**

**10 x 2 = 20 Marks**

- 1: What are edible and non- edible parts of a plant?
- 2: Write the difference between fat soluble and water soluble vitamins?
- 3: Can rain water be separated? If yes, how will you do it?
- 4: What is a reversible and irreversible change?

- 5: Define respiration? Write its each equation?
- 6: Name some means of transport you know?
- 7: How is a shadow formed?
- 8: Define conductor and insulator and give two examples for each?
- 9: Write two properties of water?
- 10: Why oil does not dissolve in water?

### **Section III: Each question carries 3**

**marks: Short answer type questions:**

**8 x 3 = 24 Marks**

1. Define a) Ginning b) Spinning c) weaving?
2. How do living things respond to stimuli, give two examples?
3. What is motion? Write the difference between circular and periodic motion?
4. Write any three properties of magnet?
5. List out some of our responsibilities to keep our surroundings clean? Is garbage disposal necessary?
6. Define material and how is it classified and on what basis it is grouped?
7. Name some food sources that are rich in a) Carbohydrates b) Iodine c) Calcium?
8. Distinguish between Herbivores, Carnivores and Omnivores give at least two examples for each?

#### Section IV: Each question carries 4

marks: Long answer type questions:

6 x 4 = 24 Marks

1. What are the different techniques used for separation process? Explain them in detail.
2. Write the difference between natural fibers and synthetic fibers?
3. What is the difference between Opaque, Translucent and Transparent materials? Give at least two examples for each?
4. How can you determine a solution is saturated or unsaturated?
5. Define joint and explain the following:
  - a. Pivot joint
  - b. Ball and socket joint
  - c. Fixed joint
  - d. Hinge joint
6. a) How rain water is harvested?  
b) List out some plants parts which are used as food.