

**Home Assignment - 2020**

Class: VII

Subject: General Science

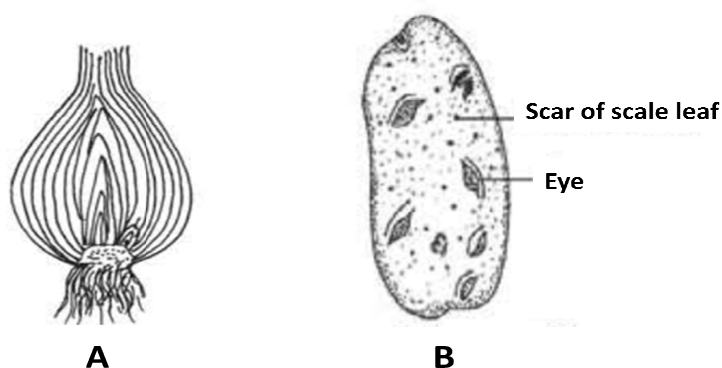
Full Marks : 50 (Creative Q. = 30 & Short Q. = 20)

Time: 1 Hour 30 Min.

**Part I: Creative Questions**

*[ Read the stem carefully and answer the questions. ]*

1. Look at the figures A and B and answer the following questions.



- a) What is a bulbil?
- b) Why is pitcher plant called insect trap? Explain.
- c) Describe the morphology of A and B.
- d) Evaluate the importance of A and B in our national economy.
2. A (Element), B (Compound), C (Metal) are three matters.. A and B dissolve in water in room temperature. C is dissoluble but after combustion in air dissolved in warm water. A can be separated from the solution A but B cannot be separated from the solution B.
- a) What is atom?
- b) Why is  $\text{NH}_3$  a compound? Explain.
- c) Explain which one is compound and which one is mixture from the solution of A and B.
- d) Water is an universal solvent - analyze according to the above situation.

3. Composition-A: Cell wall, plastid, mitochondria, sub central nucleus.  
Composition-B: Cytoplasm, centrosome, mitochondria, central nucleus.
- What is blood?
  - Write down the function of permanent tissue of plant.
  - Draw a labeled diagram of a cell indicated by composition A or B.
  - Evaluate the role of nucleus in both plant cell and animal cell.

### **Part II: Short Questions**

- Which Bacteria is responsible for Pneumonia?
- Who is the first man to discover cell?
- Which tissue secrete gastric juice?
- What is the formula of table salt?
- What is the Latin name of iron?
- Who is considered as the pioneer of modern atomic theory?
- Which type of stem is stolon?
- Which plants have spines in their leaves?
- How entamoeba protects themselves in adverse environment?
- What is the good source of iodine and potassium?
- Which micro-organism is used in preparing vitamin tablet?
- What does golgi body secrete?
- What is the percentage of water in protoplasm?
- Which tissue is unable to divide?
- Which part of Turnip is used as food?
- Which root do not have any particular shape?
- Who first propounded the theory on atom?
- What is called the most common form of energy?
- What type of transformation of energy occurs when a bulb is on?
- What is the unit of energy?