



# Holiday Assignment

English Junior Section

Science

Grade 7

English Medium

## Answer all questions.

### Lesson No-01-Plant Diversity

1. Group these plants into flowering and Non-flowering plants?  
(Cyperus, Katarolu, Salvinia, Jasmine, Curry leaves, Drynaria, Turpentine, Water lily & Balsam)
2. Write main function of given plant parts. (leaves, stem, & root)
3. Group these seeds into 3 according to their seed dispersion methods.  
(Cotton, Castor, Chillies, Kottamba, Gammalu, Lotus, Nagadarana, Hora, Arecanut, Wara, Diya kaduru, Tomato)
4. Fill the table given (Root types)

Type of root	Example	Functions
Stilt		
		Absorb water vapour
	Pepper	
	Orchid	
		Store food
Root with nodules		
	Kirala/Kadol	

### **Lesson No-02-Static Electricity**

1. Give two types of electrical charges?
2. Write 3 phenomena associated with static electrical charges?
3. What are the instruments used to identify and store the electrical charges?
4. State the details mentioned in capacitors?
5. Fill the table.

Materials rubbed	Positive charge in	Negative charge in
Silk + Glass		
Ebonite + Wool		
PVC + Polythene		

### **Lesson No-03-Generation of Electricity**

1. Give 3 types of sources of Electricity and their way of generating electricity?
2. Draw a simple cell and illustrate its parts?
3. Write 2 disadvantages of simple cell?
4. Write your observations when you connect these equipments given with a simple cell? (Bulb, Nichrome coil, Centre zero Ammeter, Musical circuit & Motor)
5. Draw inner view of a bicycle and illustrate its parts?

### **Lesson No-04-Functions of Water**

1. Identify the properties of water in some instances given below.  
(Feeling cold when keep an ice cube in hand, dissolving sugar in hot water & transportation of produced urea )
2. Write 3 industries in which dissolved substance is removed?
3. Write 3 instances in which act as a medium of life?

### **Lesson No-05-Acids and Bases**

1. Fill the table with 3 substances in each boxes.

	<b>Acid</b>	<b>Base</b>	<b>Neutral</b>
<b>Available in Home</b>	1. 2. 3.	1. 2. 3.	1. 2. 3.
<b>Available in school laboratory</b>	1. 2. 3.	1. 2. 3.	1. 2. 3.

2. What is called indicators?  
3. Give 3 home prepared indicators and laboratory used indicators?  
4. State the colour change given by above indicators with acid and base solutions?

### **Lesson No-06-Animal Diversity**

1. Group following animals into two groups. (squirrel, butterfly, cockroach, cat, horse, earth worm, beetle, snake, human, spider & snail)  
2. State 3 animals show camouflage and 2 animals show streamlined body?  
3. Prepare a dichotomous key for following animals. (Fish, snail, tiger, Lizard, leech, python)