

**CHOITHRAM SCHOOL MANIKBAGH INDORE****CLASS X Session: 2017-18****Subject: Science**  
**Allotment Date: 30 /6/2017****Assignment No: 1**  
**Submission Date: 10/07/2017**

S.No	Question	Marks	Level
<b>OBJECTIVE TYPE</b>			
1.	Name and state the law which is kept in mind while we balance a chemical equation.	1	Knowledge
2.	Define the electric current and one ampere.	1	Understanding
3.	Name the two assimilatory power obtained during light reaction.	1	Hot
<b>SHORT ANSWER TYPE I</b>			
4.	Mention the major events during photosynthesis.	2	knowledge
5.	How much work is done in moving a charge of 2C across two points of a potential of 12V?	2	understanding
6.	n electron flow through a cross section of a conductor in time t. if the charge on an electron is e. write an expression for the current in the conductor.	2	logic
7.	A white salt on heating decomposes to give brown fumes and yellow residue is left behind. Name the salt and write the chemical reaction involved.	2	Hot
<b>SHORT ANSWER TYPE II</b>			
8.	i) Draw the diagram of human alimentary canal and label the following organs- a) that produce insulin. b) helps in storing alkaline juices c) helps in absorption of water. d) helps in converting glucose into maltose. ii) Explain the statement "bile does not contains any enzyme but it is essential for digestion".	3	understanding
9.	Name the gastric juices? What prevents the stomach lining from getting corroded? What is the role of acid in stomach? Which complex compounds present in food are converted into simpler ones?	3	Multi conceptual
10.	Your family has a plot of land in the city where your father wants to construct a house. The area has few trees which are very dear to your father. By way of photosynthesis trees provide oxygen which is essential for living organisms. Your father therefore does not want to cut the trees. At the same time he desperately needs a house for his family. Read the following passage and answer the following- i) Should your father construct the house after cutting the trees? ii) How can you compensate for the loss in terms of oxygen supply? iii). Will simply planting the trees will ensure supply of oxygen? iv). State the values reflected by your father	3	Value based
<b>LONG ANSWER TYPE</b>			
11.	What happens when: a) zinc metal reacts with dilute sulphuric acid b) solution of potassium chloride added to silver nitrate solution c) ferrous sulphate crystals heated strongly d) aluminium coin placed in copper sulphate solution e) silver bromide exposed to sunlight Support your answer with balanced chemical equation.	5	Logic
12.	Two copper wires A and B of length 30m and 10m have radii 2cm and 1cm respectively. Compare the resistance of the two wires. Which will have less resistance?	5	Hot