

**CHOITHRAM SCHOOL MANIKBAGH INDORE****CLASS X Session: 2018-19****Subject: Science**  
**Allotment Date: 26 /04/2018****Assignment No: 1**  
**Submission Date: 13/06/2018**

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.	A ray of light passing through the centre of curvature of a concave mirror retraces its path. Justify.	1	Understanding
3.	Name the two assimilatory power obtained during light reaction.	1	Hot
<b>SHORT ANSWER TYPE I</b>			
4.	Write the role of stomata in photosynthesis.	2	knowledge
5.	Draw the image formation by concave mirror when the object is kept between focus and pole. Also mention nature and position of the image.	2	understanding
6.	A beam of light falling on the concave mirror parallel to principle axis mention focus, normal, angle of incidence and angle of reflection.	2	logic
7.	A, B and C are three elements which undergo chemical reactions according to the following equations. $A_2O_3 + 2B \rightarrow B_2O_3 + 2A$ $3CSO_4 + 2B \rightarrow B_2(SO_4)_3 + 3C$ $3CO + 2A \rightarrow A_2O_3 + 3C$ Answer the following questions with reasons a) which element is most reactive b) which element is least reactive c) What is the type of reactions listed above?	2	Hot
<b>SHORT ANSWER TYPE II</b>			
8.	Explain the events that takes place during photosynthesis.	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.	a) 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. b) What happens when: i) ferrous sulphate crystals heated strongly ii) aluminium coin placed in copper sulphate solution iii) silver bromide exposed to sunlight Support your answer with balanced chemical equation.	5	Logic
12.	An object is held at 30cm in front of a convex mirror of focal length 15cm. At what distance from the convex mirror should a plane mirror be held so that images in the two mirrors coincide with each other?	5	Hot