

**CHOITHRAM SCHOOL MANIKBAGH INDORE****CLASS X Session: 2017****Subject: Science****Allotment Date: 10/11/2017****Assignment No: III****Submission Date: 20/ 11/2017**

S.No	QUESTION	MARKS	LEVEL
<b>OBJECTIVE TYPE</b>			
1.	Draw the electron dot structure of carbon dioxide molecule.	1	Knowledge
2.	How will you distinguish, without touching, between a plane mirror, concave mirror and a convex mirror?	1	Understanding
3.	Regeneration cannot be regarded as reproduction. Why?	1	hot
<b>SHORT ANSWER TYPE I</b>			
4.	Why DNA copying in reproduction is considered as important event?	2	knowledge
5.	Draw the image formation by convex mirror when the object is kept between infinity 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.	Write the next higher homologue of the following : (i) $C_3H_6$ (ii) $C_5H_8$	2	Hot
<b>SHORT ANSWER TYPE II</b>			
8.	Draw a well labeled diagram of fertilization in flowering plant. Explain the process of double fertilization and triple fusion.	3	understanding
9.	i) Explain why some flowers of cucurbita, pumpkin, and bottle guard set fruits whereas other flowers fail to develop fruits. ii) Some plants are propagated only by vegetative methods. Give reason and List two advantage of vegetative propagation.	3	Multi conceptual
10.	Pollination is essential for facilitating the male gamete to reach the female gamete present in the ovule. i) Name the two type of pollination. ii) How the process of pollination has been used by scientist for improvement of crops? iii) What is the significance of bright colour of flowers?	3	Value based
<b>LONG ANSWER TYPE</b>			
11.	Explain the process of extraction of a metal from its sulphide ore and carbonate ore, which is in the middle of the reactivity series. Give chemical equations.	5	Logic
12.	The distance of object and a real image, measured from the focus of a concave mirror are "a" and "b" respectively. Show that $f^2=ab$	5	Hot