

**CHOITHRAM SCHOOL MANIKBAGH INDORE****CLASS XI Session: 2018-19****Subject: Biotechnology**  
**Allotment Date: 25/01 /2019****Assignment No: IV**  
**Submission Date: 04/02/2019**

S.No	QUESTION	MARKS	LEVEL
	<b>OBJECTIVE TYPE</b>		
1.	What are stem cells?	1	Knowledge
2.	What are G proteins?	1	Understanding
3.	Define international unit of enzyme activity.	1	hot
4.	What is apoptosis? Compare it with necrosis	2	knowledge
5.	Briefly explain how plant defense system can be classified?	2	understanding
6.	Why sucrose is non reducing sugar?	2	logic
7.	Protein has important bearing on its function in health and diseases.Why?	2	Hot
8.	Define check points. What are check points in eukaryotic cell cycle?	3	understanding
9.	Draw the structure of Ig molecule?	3	Multi conceptual
10.	Highlight the various properties of enzyme. Enlist few values that enzymes teach us.	3	Value based
11.	a. If the cell is infected by virus, the reacting cells secrete chemical signals, which activate macrophage. Name the type of immunity. Name and explain the role of cells involved in above immune system b. What are lymphocytes? Explain the role of two major classes of lymphocytes.	5	Logic
12.	Why is meiosis called as reduction division. Name the various stages of meiosis cell cycle. Explain prophase 1 in detail.	5	Hot