

**CHOITHRAM SCHOOL MANIKBAGH INDORE****CLASS XI Session: 2017-18****Subject: Biotechnology**  
**Allotment Date: 17/11 /2017****Assignment No: IV**  
**Submission Date: 29/11/2017**

S.No	QUESTION	MARKS	LEVEL
	<b>OBJECTIVE TYPE</b>		
1.	What are lipids?	1	Knowledge
2.	Why DNA possess strong negative charge?	1	Understanding
3.	Why are amino acids amphoteric in nature?	1	hot
4.	Compare A form, B form and Z form of DNA	2	knowledge
5.	Why nitrogen fixation is related to organic farming?	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.	Discuss in detail the building block of carbohydrates..	3	understanding
9.	What is the fate of pyruvate in aerobic organism? Name the pathway. Also explain why this pathway is called amphibolic pathway.	3	Multi conceptual
10.	Highlight the various properties of enzyme. Enlist few values that enzymes teach us.	3	Value based
11.	Why some plant show Kranz anatomy of their leaves? How CO <sub>2</sub> assimilation does take place in those plants?	5	Logic
12.	How can you account for the following_ a) Why sometime cramps develop when athletes is running faster? b) Animals cannot carry out the net conversion of CO <sub>2</sub> into glucose. c) Enzymes have enormous catalytic powers d) Dark reactions used to refer for CO <sub>2</sub> fixation.	5	Hot