

**CHOITHRAM SCHOOL MANIKBAGH INDORE****CLASS XI Session: 2017-18****Subject: Biotechnology****Allotment Date: 18/08/2017****Assignment No: II****Submission Date: 28/08/2017**

<b>S.No</b>	<b>QUESTION</b>	<b>MARKS</b>	<b>LEVEL</b>
	<b>OBJECTIVE TYPE</b>		
1.	Define mutation.	1	Knowledge
2.	What is holandric inheritance?	1	Understanding
3.	What is test cross?	1	hot
4.	What is Karyotyping? Where from we obtain cells for Karyotyping?	2	knowledge
5.	Explain various kinds of chromosomal rearrangements.	2	understanding
6.	Briefly describe two ways in which a T-T dimers can be repaired by DNA repair mechanisms.	2	logic
7.	How primary transcript does modify before translation?	2	Hot
8.	DNA is the genetic material responsible for transformation.” How was it proved by Griffith’s experiments?	3	understanding
9.	Explain the process of initiation, elongation and termination in the process of transcription..	3	Multi conceptual
10.	Disorders are caused due to numerical abnormalities in sex chromosome. Name two such disorders. Also state why they are different from others male and female. Comment on their social acceptance	3	Value based
11.	a) Genetic code is degenerate and non-ambiguous. What does this mean? b) What are nonsense codons? Name them. c) Write any two differences between RNA polymerase and DNA polymerase.	5	Logic
12.	Explain the process of semi conservative replication of DNA along with a short note on the enzymes involved in the process.	5	knowledge