

**CHOITHRAM SCHOOL MANIKBAGH INDORE**

**CLASS XI Session: 2018-19**

**Subject: Biotechnology**  
**Allotment Date: 31/08 /2018**

**Assignment No: II**  
**Submission Date: 10/09/2018**

<b>S.No</b>	<b>QUESTION</b>	<b>MARKS</b>	<b>LEVEL</b>
	<b>OBJECTIVE TYPE</b>		
1.	What does Hershey and Chase experiment prove?	1	Knowledge
2.	Define Split gene.	1	Understanding
3.	Write the complementary sequence of 5' ATCCGGATCGT 3'	1	hot
4.	Write the difference between DNA polymerase and RNA polymerase.	2	knowledge
5.	Briefly describe Messelson and Stahl experiment.	2	understanding
6.	Explain the double helical structure of DNA.	2	logic
7.	Give one example each for mitochondrial and chloroplast inheritance.	2	Hot
8.	DNA is the genetic material responsible for transformation.” How was it proved by Griffith’s experiments?	3	understanding
9.	With the help of example, explain additive and non additive gene interaction	3	Multi conceptual
10.	Outline the prominent features of ‘Genetic code. What are nonsense codons? Name them	3	Analysis
11.	Explain the process of translation in detail.	5	Logic
12.	Explain the process of semi discontinuous replication of DNA along with a short note on the enzymes involved in the process.	5	knowledge