CHOITHRAM SCHOOL MANIKBAGH INDORE
CLASS XI Session: 2018-19

Subject: Biology **Assignment No: I**
Allotment Date: 29/06/2018 **Submission Date: 08/07 /2018**

S.No	QUESTION	MARKS	LEVEL
	OBJECTIVE TYPE		
1.	Name two places where methanogens are present.	1	Knowledge
2.	Name the three international code of biological nomenclature.	1	Understanding
3.	What are halophiles? Why are they called?	1	hot
	SHORT ANSWER TYPE I		
4.	Differentiate between - botanical gardens and herbarium, Museum and Zoo	2	knowledge
5.	What is the principle underlying the use of cynobacteria in agricultural fields for crop improvement?	2	understanding
6.	Draw a bacterial cell and label it and specify the function of mesosome , polyribosomes	2	logic
7.	Suppose you accidentally find an old preserved permanent slide without label . In your effort to identify it you place the slide under the microscope and observe the following features. (a) unicellular(ii)well defined nucleus(iii)Biflagellate-one lying longitudinally and other transversely. What would you identify as? Can you name the kingdom it belongs to?	2	Hot
	SHORT ANSWER TYPE II		
8.	Differentiate between photosynthetic and chemosynthetic bacteria.	3	understanding
9.	Write down the difference between monera and protista on the basis of (i)nature of cell wall component (ii)genetic material(iii)location of extra chromosomal DNA(iv)location of respiratory apparatus.	3	Multi conceptual
10.	State three economical importance of bacteria.	3	application
	LONG ANSWER TYPE		
11.	((i)Are chemosynthetic bacteria autotrophs or heterotrophs? (ii) Explain three ways of Gene recombination in bacteria.	2+3	Logic
12.	(i)How do you prepare your own herbarium sheets?What are the different tools you carry with you while collecting plants for the preparation of herbarium. What information should a preserved material on bacterium sheet provide for taxonomical aid? (ii)Name an organism which is made up of two components which live together in symbiotic association .Name the two components and write its function. What are its ecological significance.	2+3	Hot