

CHOITHRAM SCHOOL MANIKBAGH INDORE**CLASS XI Session: 2017-18****Subject: Biology****Allotment Date: 23/06/2017****Assignment No: I****Submission Date: 28/06 /2017**

S.No	QUESTION	MARKS	LEVEL
OBJECTIVE TYPE			
1.	Are chemosynthetic bacteria autotrophs or heterotrophs and why?	1	Knowledge
2.	Name the three international code of biological nomenclature.	1	Understanding
3.	The common name of rice is simpler than its technical name <i>Oryza sativa</i> . What is advantage of technical name.	1	hot
SHORT ANSWER TYPE I			
4.	Differentiate between - botanical gardens and herbarium, Museum and Zoo	2	knowledge
5.	(i)Give one example of amoeboid protozoan, flagellated protozoan, ciliated and sporozoan protozoa. (ii)Which chemical substance is present in the cell wall of fungi and bacteria.	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.	In cycus which type of roots are present. Which organism is associated with this root? What is the nature of association and what function does the organism perform inside the cycus roots?	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.	After rainy season Priti went to field for a walk with her Father. Her father cautioned her to walk carefully as the soil had become slippery. Priti asked why soil becomes green and slippery after rainy season? Father replied due to algae which produces mucus like substance to avoid desiccation. (i)What are algae? (ii) Name two useful algae. (iii) Why did Father cautioned Priti to be careful while walking in moist soil?	3	Value based
LONG ANSWER TYPE			
11.	((i)What is the name of fully formed virus particle? (ii)Specify how some methanogens possess symbiotic life. (iii) Explain three ways of Gene recombination in bacteria.	5	Logic
12.	(i)What is the principle lying behind the use of cyanobacteria in agricultural fields for crop improvement? (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.	5	Hot