

CHOITHRAM SCHOOL MANIKBAGH INDORE**CLASS XII Session: 2017-18****Subject: Biology****Allotment Date: 17.11.17****Assignment No: IV****Submission Date: 22.11.17**

S.NO	QUESTION	MARKS	LEVEL
OBJECTIVE TYPE			
1.	Where are kangaroo rats found. How do they fulfil their water requirement?.	1	knowledge
2.	Which bacteria inhabit human colon? Give their role.	1	understanding
3.	If 8 individuals in a laboratory population of 80 fruit flies died in a week , then what would be the death rate of the population for the said period.	1	hot
SHORT ANSWER TYPE II			
4.	Name the pioneer species on bare rock. How do they help in establishing the next type of vegetation? Mention the type of climax community that will ultimately get established.	2	knowledge
5.	Name the pioneer species and climax species in water body. Mention the changes observed in the biomass and biodiversity of the successive seral communities developing in the water body.	2	understanding
6.	a).How do marine fishes thriving in Antarctica water manage to keep their body fluids from freezing. b)How marine invertebrates living at greater depth in ocean survive where the pressure is 100 times more than atmospheric pressure.	2	logic
7.	How do predators avoid eating Monarch butterfly. How does the butterfly develop this protective feature?	2	hot
8.	What do phytophagous insects feed on? How do plants prevent themselves from the predators?	3	understanding
9.	a)Explain brood parasitism with the help of an example. b)Explain mutualism in wasp pollinating fig inflorescence. c)Name and explain the kind of interaction in Algae and fungi in lichens.	3	multiconceptual
10.	A team of researchers observed that the population of fish eating birds is declining every year after the establishment of a pesticide factory nearby five years ago. Answer the following based on the observations. a)What may be the possible reason in your opinion explain? b)Can you suggest some alternative to pest so that the factory can be stopped. c)What values the researchers exhibit?	3	value based
LONG ANSWER TYPE			
11.	a)Most living organism cannot survive at temperature above 45° C. Then how some microbes are able to live in habitats with temperature exceeding 100° C. b)If a marine fish is placed in fresh water aquarium will the fish be able to survive? Why or why not?	5	logic
12.	a)Explain with the help of a graph the population growth curve when resources are limiting and not limiting. b)Nature has a carrying capacity for a species .”Explain.	5	hot