**CHAPTER – 10 MICROBES IN HUMAN WELFARE**

**ONE MARK QUESTIONS:**

1. Define flocs.
2. What do you mean by activated sludge.
3. Name the organism which is involved in the production of biogas.
4. Name a bioactive molecule used as immune suppressor agent.
5. Name yeast used in bread making.
6. What are methanogens ?
7. Name the substrate on which on which methanogens grow to produce biogas.
8. BOD of two samples of water A & B were 40mg/L and 120 mg/L respectively. Which sample is more polluted ?
9. Which is the organism used in making ‘swiss cheese’
10. What is LAB?
11. Name the physical process involved in the primary treatment of sewage.

**THREE MARK QUESTIONS:**

1. Describe the role of microbes in household products
2. Write one function for each of the following enzymes :-
	* 1. Lipases
		2. Proteases
		3. Streptokinase
3. Mention the sources and medical application of the following bioactive molecule
	* 1. Cyclosporin-A
		2. Statin
4. What is BOD? Mention its significance
5. What are methanogens? Mention their role in biogas production.
6. What are baculoviruses? Mention their role all bio control agents.
7. Name the different source of bio fertilizers with an examples for each.
8. Define mycorrhiza mention the advantages of using gloms species as bio fertilizers.
9. Name the microbes as source of chemicals.
10. Name the household product and its sources.

**FIVE MARK QUESTIONS:**

1. Give a brief account of role of microbes in the production of the industrial products.
2. Give an account of sewage treatment.
3. With a neat labelled diagram explain the structure of a typical biogas plant .
4. What is bi control? Discuss the role of microbes as bio control agents with suitable examples.
5. Write short notes on the following microbes as bio fertilizers.
	1. Bacteria
	2. Cyanobacteria
	3. Fungi