

Activity Code:- 1903017021

B.Sc 6th SEMESTER (Honours) EXAMINATION, October-2020

Subject: BOTANY

Course ID :- 61316

Course Code :- SHBOT/603/DSE-3

Course Title :- Industrial and Environmental Microbiology

F. M. :- 15

Time :- 1hr

UNIT-I

Q1. Answer any five of the following questions

1×5=5

- a) What is bioreactor?
- b) What is meant by downstream processing?
- c) Name one microbe producing alcohol.
- d) Name one starch hydrolysing microbe.
- e) Define TDS.
- f) What is sewage?
- g) Define bioremediation?
- h) Name one root nodulating bacteria.
- i) Write one difference between continuous and batch culture.
- j) Name one bacterial strain in sewage treatment plant.

UNIT-II

Q2. Answer any two of the following questions.

5×2=10

- a) What is fermentation? Write short notes on batch and continuous fermentation.
1+4=5
- b) What is mycorrhizae? Write the process of arbuscular mycorrhizal colonization in plant roots.
1+4=5
- c) Write down the steps of penicillin production. =5
- d) Write a short note on microbes in air. =5
- e) State the methods of enzyme immobilization. =5