

# School of Biological and Life sciences

Department of Biological and Life Sciences

Mid Term Examination

Exam Date: 30 Sep 2023

Time : 90 Minutes

Marks : 50

## Sem III - MSMB6006 - Environmental Microbiology

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

- 1) Choose important microorganisms used in bioremediation method. K2 (2)
- 2) Explain the intrinsic bioremediation method. K1 (3)
- 3) Define bioremediation K2 (4)
- 4) Classify the important requirement for biodegradation process. K2 (6)
- 5) Identify the importance of plants in phytoremediation process. K3 (6)
- 6) Identify the importance of microbial ecology in maintaining the environment. K3 (9)
- 7) Identify the advantage & disadvantage of microbial bioremediation. K4 (8)
- 8) Identify the advantage & disadvantage of bioremediation. K4 (12)

**OR**

Describe the various methods of phytoremediation for the removal of heavy metals from the environment. K4 (12)