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School of Biological and Life sciences**Master of Science in Microbiology
Semester End Examination - Nov 2023****Duration : 180 Minutes
Max Marks : 100****Sem III - MSMB6006 - Environmental Microbiology**General Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Identify the potential of sun flower in phytoremediation. K1 (2)
- 2) Illustrate the Bioventing and Biostimulation methods to stimulate the bioremediation process. K2 (4)
- 3) Explain the effects of poor solid waste management system on the environment. K2 (6)
- 4) Identify the various green methods to manage the solid waste from the environment. K3 (9)
- 5) Identify the methods to manage the sludge waste materials in controlling the environmental pollution K3 (9)
- 6) Determine the degradation pathways for the detergents K5 (10)
- 7) Illustrate the methodologies to assess the biodeterioration. K4 (12)
- 8) Choose the differences in endogenous & exogenous xenobiotics with suitable examples. K5 (15)
- 9) Explain the open and closed composting system. K5 (15)
- 10) Explain the role of bioreactor in slurry phase treatment of solid waste. K6 (18)