

**M.Sc. II Semester Degree Examination, September/October - 2022****MICROBIOLOGY****Immunology and Immunodiagnostics**

Time : 3 Hours

Maximum Marks : 70

Note : Answer *any five* of the following questions with Question No. 1 is **Compulsory**.

1. Explain Conventional and molecular methods for studying microbial diversity. **14**
2. Discuss the microbiological indicators of water and air pollution. **14**
3. Write an account on radiation hazards and it's safety measures. **14**
4. Write a note on soil pollution and it's effects on crop productivity. **14**
5. Describe microbial leaching of iron and copper and it's mechanism. **14**
6. (a) Explain MPN technique. **5**
(b) Describe green house effect. **5**
(c) Handling hospital waste **4**
7. (a) Write a note on biomethanogenesis. **5**
(b) Describe bioremediation. **5**
(c) Oxidation lagoons **4**
8. (a) Explain extremophiles. **5**
(b) Describe microbial degradation of pesticides. **5**
(c) Acid rain **4**

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