

M.Sc.(Microbiology) CBCS Pattern Semester-II
PSMBT-108R - Paper-IV : Microbiological Testing of Industrial Products

P. Pages : 1

Time : Three Hours



GUG/W/23/11219A

Max. Marks : 80

1. Describe in detail different methods of analysis of water. **16**

OR

Write notes on-

- a) MPN Test **8**
- b) Faecal indicator organisms **8**

2. Describe the methods of microbial analysis of food products. **16**

OR

Write notes on-

- a) Chemical and biological hazards in food industry. **8**
- b) Light pulse technology. **8**

3. Describe the methods of assessment of microbial quality of marine foods. **16**

OR

Write notes on-

- a) Gel clot assay **8**
- b) Pyrogen and de-pyrogenation testing **8**

4. Explain the preservation of pharmaceutical products. **16**

OR

Write notes on-

- a) Sterility testing **8**
- b) Sterility assurance **8**

5. Write short notes on-

- a) Membrane filtration technique. **4**
- b) Advantage of light pulse technology. **4**
- c) Mycoplasma testing. **4**
- d) HACCP plan. **4**
