

M.Sc. (Microbiology) (NEP Pattern) Semester-I
NEP-73 / 01MSCMB03 - Paper-III : Commercial Microbiology

P. Pages : 1

Time : Three Hours



GUG/S/25/15127

Max. Marks : 80

1. Describe in detail about the microbial solubilization of coal. **16**

OR

- a) Write a note on microbiological exploration of petroleum deposits. **8**
- b) Give the evidence regarding biogenesis of petroleum. **8**

2. Explain the process of production of alpha arbutin and Kojic acid and their use in cosmetic preparations. **16**

OR

- a) Write a short note on space microbiology in content to ESA STONE experiment. **8**
- b) Explain the biological potential of samples returned from satellites and small solar system bodies. **8**

3. Describe the textile microbiology with suitable examples. **16**

OR

- a) Write a short note on antimicrobial emergency. **8**
- b) Write a note on bacteriostatic sanitary napkins and towels. **8**

4. Write in details about rubber microbiology. **16**

OR

- a) Write a short note on antiseptic plastics. **8**
- b) Write a short note on production of plastic materials from microorganisms. **8**

5. a) Write a note on microbiological oil prospecting. **4**

b) Write a note on preparations of skin whitening compositions. **4**

c) Write a note antimicrobial currency. **4**

d) Write a note on casein plastic. **4**
