

M.Sc.(Microbiology) (CBCS Pattern) First Semester
PSMBT-104 - Paper-IV : Commercial Microbiology

P. Pages : 1

Time : Three Hours



GUG/W/18/11174

Max. Marks : 80

Notes : 1. All questions are compulsory and carry equal marks.

1. Discuss the geomicrobial methods of ore and petroleum exploration. 16
- OR**
- Describe the followings :
- a) Bacteriological method of oil recovery. 8
- b) Microbial solubilization of coal. 8
2. Describe the microbial production of Kojic acid and its use in cosmetics preparation. 16
- OR**
- Write note on followings :
- a) Monitoring of Astronauts microbial flora. 8
- b) ESA STONE experiment. 8
3. Write note on followings.
- a) Antimicrobial garments. 8
- b) Antibiotic paper production. 8
- OR**
- Discuss the Bacteriostatic sanitary napkins and towels. 16
4. Discuss the composition and production of antimicrobial plastic. 16
- OR**
- Describe the followings.
- a) Production of plastic materials from microorganisms. 8
- b) Composition of antimicrobial rubber. 8
5. Write short note on followings.
- a) Evidence regarding biogenesis of petroleum. 4
- b) Black yeast. 4
- c) Antimicrobial fabric. 4
- d) Antiseptic plastic. 4
