

Code :9A23304

R9

II B.Tech I Semester(R09) Supplementary Examinations, May 2011
MICROBIOLOGY
(Biotechnology)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

1. (a) Explain about the characteristics features of Bacteria
(b) Explain about the major characteristics used in Taxonomy.
2. (a) What are the major contribution and events in the field of microbiology?
(b) Explain about the identification of microorganisms.
3. (a) Explain the nutritional classes of microbes.
(b) Explain about the pure culture methods spread plate, pour plate and streak plate methods
4. (a) Explain about the preservation of microorganisms referring to cry preservation.
(b) Explain about bacterial staining techniques.
5. (a) Explain about the definition of infection, diseases and pathogens.
(b) Explain about the pathogenicity of Tuberculosis.
6. (a) Explain and draw about the structure of Viruses.
(b) Explain about application of virology in biotech industry.
7. (a) Explain about viral replication.
(b) What are the major differences between bacterial replication and viral replication?
8. (a) Explain about identification of viruses.
(b) Explain about cultivation of viruses.
