

II B.Tech I Semester(R07) Supplementary Examinations, May/June 2010
MICROBIOLOGY
(Bio-Technology)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Write about contributions of Louis Pasteur emphasizing on Biogenesis theory? [16]
2. Describe the structure of prokaryotic cell and relate it to its function. [16]
3. Describe the life cycle of ϕ x 174 phage. [16]
4. Describe and illustrate the different steps involved in replication of lytic phage. [16]
5. (a) Explain phage typing
(b) Describe the continuous cell line. [8+8]
6. Explain:
(a) Media
(b) Nutrient media
(c) Potato dextrose
(d) Blood agar media. [4×4]
7. Discuss on the composition of:
(a) Gram positive cell wall.
(b) Gram negative cell-wall. [8+8]
8. Write short notes for:
(a) Dengue fever
(b) Chickengunya viruses. [8+8]
