

II B.Tech I Semester(R05) Supplementary Examinations, May/June 2010
MICROBIOLOGY
(Bio-Technology)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. As a microbiologist what is your concern about public health. [16]
2. Discuss the general characters of domain Bacteria, with suitable examples. [16]
3. Define Bacteriophage.Explain its structure and properties. [16]
4. Discuss general steps in viral replication. [16]
5. Discuss various types of culture techniques of viruses. [16]
6. What are nutrients? Describe major nutritional types of microorganisms. [16]
7. Define water activity and briefly discuss how it can be determined. Why is it difficult for microorganisms to grow at low water activity (a_w) values. [16]
8. Describe phenols, alcohols and halogens in terms of their chemical nature, mechanism of action, mode of application, common uses and effectiveness and advantages and disadvantages. [16]
