

Code: R7 212306

R7

B.Tech II Year I Semester (R07) Supplementary Examinations, May 2012

MICROBIOLOGY

(Biotechnology)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions

All questions carry equal marks

- 1 (a) Explain about theory of spontaneous generation.
(b) Write about microbial diversity.
- 2 (a) Explain about five-kingdom system of Whittaker.
(b) Write about major characteristics used in taxonomy.
- 3 (a) Write about virus properties.
(b) Write about application of viruses in biotechnology industry.
- 4 (a) Write about general replication of DNA.
(b) Write about animal viruses.
- 5 (a) Draw the typical structure of viruses.
(b) Write about assay of viruses.
- 6 (a) Write about aerobic and anaerobic metabolism.
(b) Write about pure culture methods.
- 7 (a) Write about different method of preservation of microorganisms.
(b) Write about influence of P^H , temperature and oxygen an growth of microorganisms.
- 8 (a) Write about diseases causing microorganisms.
(b) Write about molecular basis pathogenecity.
