S E-III Sem- Biotech.

Micro biology

3hrs



QP Code: 30675

Total Marks-80

10M

10M

(1) Question No.1 is Compulsory. (2) Solve any three question out of remaining questions. (3)Draw suitable diagram wherever necessary. Attempt any Four out of Six(Short Notes):-Q.1 5X4=20M (1) Cell Wall of gram -ve bacteria (2) Aerobic Microorganism (3) Thermal Death Point (4) MPN Test (5) Turbidostat (6) Koch's Postulates a)Discuss about the various types of medias which are used for Q.2 culturing microorganisms. 10M b) Discuss the effect of solutes, temperature and ion concentration on microbial growth. 10M Q.3 a) Describe the various physical methods of sterilization? 10M b) What are the different chemical methods for controlling growth of microorganisms 10M a) Draw a typical bacterial cell, identify all parts and write function of each part Q.4 10M b) Write various differences between a prokaryote and an eukaryote? 10M a) List the four phyla found in the kingdom fungi and list the characteristics Q.5 of the fungi that place them in each phylum - such as: reproduction, morphological complexity, and habitat. 10M b) Explain endotoxin and exctoxin with suitable examples? 10M

_^

a) Describe various methods for preserving the microbial culture?

b) Write a note on antimicrobial sensitivity test?

FW-Con.: 11016-16.

Q.6