



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Technology) 2022 Admission
I Semester Final Examination – March 2023

Pafe.1101

General Microbiology (2+1)

Marks: 50
Time: 2 hours

- I Fill in the blanks** (10x1=10)
1. The first antibiotic was discovered by
 2. The counter stain used in gram staining is
 3. Streak plating is a method of
 4. The part of cell help in locomotion in bacteria is
 5. The cytoplasmic invagination of cell membrane is called as
 6. An infectious virus particle is called
 7. The bacteria used for transformation experiment by Griffith was
 8. A non- ionizing radiation for destruction of microorganisms
 9. *Mucor* come under the class
 10. The chromosomal region of bacteria is called
- II Write short notes on ANY FIVE of the following** (5x2=10)
1. Endospore
 2. Plasmid
 3. Taxonomic groups
 4. Koch's postulates
 5. Transduction
 6. Resolving power
 7. Phylogenetic tree
- III Answer ANY FIVE of the following** (5x4=20)
1. Different shapes of bacteria
 2. Fungus classification
 3. Contribution of Louis Pasteur and Beijerinck
 4. Types of mutations
 5. Conjugation and transformation
 6. Method of preservation of pure cultures
 7. Nutritional classification of bacteria
- IV Write an essay on ANY ONE of the following** (1x10=10)
1. Explain structure of bacteria with a neat diagram.
 2. Explain different bacteriological media.
