

KERALA AGRICULTURAL UNIVERSITY

B.Tech.(Food Engg.) 2016 Admission

II Semester Final Examination – July- 2017

Cat. No: Fdqu 1202

Title: General Microbiology (1+1)

Marks: 50

Time : 2 hours

I. Fill up the blanks :

(10 x 1=10)

1. Fungal hyphal cross wall is called -----
2. In water potability test ----- is used as indicator bacterium.
3. Prokaryotic DNA does not contain ----- protein.
4. Agaricus bisporus is a ----- Fungi.
5. ----- enzyme catalyses nitrogen fixation.
6. Host is killed in the ----- Life cycle of virus.
7. ----- confers resistance to the bacterial endospores.
8. Rhodospirillum is a -----Bacteria.
9. Motility of a Bacteria.
10. ----- is the term given to bacteria without cell wall.

II. Write short notes on ANY FIVE:

(5 x 2=10)

1. Continuous culture.
2. Passive immunity.
3. Prokaryotes.
4. Louis Pasteur.
5. Phase contrast microscope.
6. Capsule of bacterium.
7. Differential staining.

III Write answers on ANY FIVE:

(5 x 4=20)

1. Write a note on the photosynthetic microorganisms.
2. Explain different methods of preservation of microorganisms.
3. Give the classification of fungi with one example for each.
4. Give the classification of algae.
5. What is a chemostat, explain with a diagram.
6. With a neat diagram explain the life cycle of bacteriophage.
7. Write a note on anaerobic microorganisms.

IV. Write essay on any ONE

(1 x 10=10)

1. Describe various microbial products available and their uses.
2. Describe different microbial enumeration techniques.
