

S. NO.: 401

BATCH: 87-2012, 2014,
2015

Reg. No.:

END OF SEMESTER EXAMINATIONS, APRIL / MAY - 2017

MICROBIOLOGY

SUBJECT CODE : 14UABO04

MAJOR : B.Sc. (BOTANY)

TIME : 3 HOURS

SEMESTER : IV

MAX. MARKS: 75

SECTION A – (10 X 1 = 10)

Answer ALL the Questions:

1. Expound pili.
2. Comment on capsid.
3. Expound the uses of Czapek's Dox agar medium.
4. What is the role of agar in culture medium?
5. State any two industrially important microorganisms.
6. What is the role of lactase enzyme?
7. Define food spoilage.
8. Comment on food poisoning.
9. What are the sources of contamination of domestic water?
10. State the diversity of microorganisms in an aquatic environment.

SECTION B – (5 X 5 = 25)

Answer any FIVE Questions:

11. Explain the structure of TMV.
12. Discuss the structure of Bacteriophage.
13. Describe the pour plate technique.
14. Describe the bacterial growth curve.
15. Give an account of the industrial uses of microbial enzymes.
16. Analyze the chemical changes caused by microorganisms in foods.
17. Give an account of microbial load in water.

SECTION C – (5 X 8 = 40)

Answer any FIVE Questions:

18. Discuss the economic importance of bacteria.
19. Analyze the asexual reproduction of bacteria.
20. Briefly explain the types of sterilization.
21. Explain the serial dilution technique.
22. Explain the methodology of production of vinegar.
23. Describe the preservation of foods.
24. Give an account of purification of water by microorganisms.
