



K22P 1609

Reg. No. :

Name :

I Semester M.Sc. Degree (CBSS – Reg./Sup./Imp.) Examination, October 2022
(2019 Admission Onwards)
ZOOLOGY
ZOO1C04 : Microbial Science

Time : 3 Hours

Max. Marks : 60

I. Answer **any two** of the following :

- 1) Write an essay on the various methods of sterilization.
- 2) Give a detailed account on classification of viruses based on host vital morphology and nucleic acid characteristics.
- 3) Write the causative agent, symptoms and prophylaxis of tuberculosis and tetanus.
- 4) Discuss the management of pollution problems associated with micro-organisms.

(2×12= 24)

II. Answer **any two** of the following :

- 5) Write short essay on transport of microbes.
- 6) Explain the criteria used in bacterial classification.
- 7) Give an account on structure and architecture of bacteriophage.
- 8) Write a short essay on action of antibiotics.

(2×8=16)

III. Write short notes on **any four** of the following :

- 9) Write notes on pollution problems due to microbes.
- 10) AIDS.
- 11) Gram's staining.
- 12) Give an account of microbial toxins.
- 13) Microbial disinfectants
- 14) Bacterial growth curve.

(4×5=20)