



K21P 0565

Reg. No. : .....

Name : .....



**First Semester M.Sc. Degree (CBSS – Reg./Suppl. (Including Mercy  
Chance)/Imp.) Examination, October 2020  
(2014 Admission Onwards)  
ZOOLOGY  
ZOO1C04 : Microbial Science**

Time : 3 Hours

Max. Marks : 60

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

1. Explain briefly the important classes of antibiotics and their mode of action.
2. Describe the chemical methods of sterilization.
3. Present a brief overview of major groups of bacteria.
4. Discuss the structure architecture of bacteriophages. (2×12=24)

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

5. Comment on the typical bacterial structures found external to cell wall.
6. Discuss the role of environmental factors on microbial growth.
7. Give an account of classification of viruses.
8. Explain the criteria used in microbial taxonomy. (2×8=16)

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

9. Eutrophication.
  10. Rabies.
  11. Bacterial genome.
  12. Storage of microorganisms.
  13. Bergy's Manual of Systematic Bacteriology.
  14. Exotoxins and endotoxins. (4×5=20)
-