

- Q-5 Attempt all questions (14)**
- a) Describe general characteristics of aerobic and anaerobic types of gram negative bacteria. (7)
- b) Discuss various cultivation methods of animal virus. (7)
- Q-6 Attempt all questions (14)**
- a) Describe classification and importance of fungi. (7)
- b) Define virus. Explain its morphology in detail. (7)
- Q-7 Attempt all questions (14)**
- a) Write a note on Mycobacterium and give 3 examples. (5)
- b) Draw a labeled diagram representing Whittaker’s five kingdom classification system. (5)
- c) Write a short note on Tobacco Mosaic Virus. (4)
- Q-8 Attempt all questions (14)**
- a) Discuss Spirochetes according to Bergrey’s manual. (5)
- b) Write a short note on microbial taxonomy. (5)
- c) Discuss ecological importance of Archaea. (4)

