

FACULTY OF PHARMACY**Pharm D (6-YDC) II-Year (Main & Backlog) Examination, June 2019****Subject : Pharmaceutical Microbiology****Time: 3 Hrs****Max. Marks: 70****Note:** Answer all Questions from Part-A, Answer any Five Questions from Part-B.**PART- A (10x2 = 20 Marks)****Write abt:**

1. Spirochetes
2. Lithotrophs
3. Differential Staining
4. Tyndallization
5. Sterilization
6. Widal test
7. Active immunity
8. Selective media
9. Synchrons and Continus growth
10. Food Microbiology

PART-B (5X10 = 50 Marks)

11. a) Write abt fungi
- b) Discuss abt microbes importance in Industrial microbiology.
12. a) Write different methods of microbial classification
- b) Differentiate between gram 't' ve and gram '-' ve bacteria
13. a) Discuss the physical methods of steritization 5
- b) Write in brief abt the validation of sterilization processes. 5
14. Explain varis methods of
- a) Solation of bacteria 5
- b) Preservation of pure cultures 5
15. a) Write abt different fungicidal agents with their mode of action.
- b) Give an accn t on evaluation of disinfectants,.
16. Write a note on
- a) Blotting techniques 3
- b) Microbiological assay of antibiotic – penicillin 7
17. a) Write the preparation and standardization of any one bacterial vaccine 5
- b) What are serological reactions. Write abt Radio immune assay. 5
18. Write a note on pathogenesis, lab diagnosis treatment and prevention of
- a) HIV 5
- b) Malaria 5
