

FACULTY OF PHARMACY**Pharm D (6-YDC) II-Year (Instant) Examination, February 2020****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. Antiseptics
2. Booster dose
3. Differences between Exotoxins and Endotoxins
4. Negative Staining
5. Fungi
6. Photo Lithotrophs
7. Macconkey's media
8. Generation time
9. Schick's test
10. Pasteurization

PART-B (5X10 = 50 Marks)

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| 11. a) Discuss the importance of microbes in medical microbiology | 4 |
| b) Write a brief note on the contribution of Pasteur in history and development of microbiology. | 6 |
| 12. a) Write the general characteristics of viruses | 4 |
| b) Write a note on cultivation of aerobic bacteria | 6 |
| 13. a) Describe the general methods of classification of bacteria | 5 |
| b) Explain the methods and techniques used in bacterial and viral incineration. | 5 |
| 14. a) Discuss the various methods of sterilization of pharmaceutical products | 6 |
| b) Write abt sterility testing | 4 |
| 15. a) What are disinfectants. Explain the mechanism of action of common disinfectants | 7 |
| b) Write any one evaluation test for disinfectants | 3 |
| 16. a) Write a note on the structure of antibody | 3 |
| b) Give an account on various antigen-antibody reactions | 7 |
| 17. Write the principle and procedure for microbial assay of antibiotics as per I.P | 10 |
| 18. Write a short note on: | 10 |
| a) Cholera | |
| b) Hepatitis | |
