

FACULTY OF PHARMACY**Pharm D (6-YDC) II – Year (Main & Backlog) Examination, July 2018****Subject: Pharmaceutical Microbiology****Time: 3 Hrs****Max.Marks: 70****Note: Answer all questions from Part – A. Any Five questions from Part – B.****PART – A (10x2 = 20 Marks)**

Write abt:

- 1 Artificial active immunity
- 2 Disinfection
- 3 Rickettsias
- 4 Differential staining
- 5 Schick's test
- 6 Types of immunoglobulins
- 7 Photolithotrophs
- 8 Tyndallization
- 9 Halogens as sterilizing agent
- 10 Bacterial toxins

PART – B (5x10 = 50 Marks)

- 11 a) Write a note on general characteristics of fungi.
b) Give an acct on bacterial growth curve.
- 12 a) Explain the differences between gram '+'ve and gram '-'ve bacteria.
b) Write abt the classification of bacteria according to Bergey's manual.
- 13 a) Write a detailed note on how to maintain lab cultures.
b) Write abt the enumeration techniques of bacteria.
- 14 a) Discuss on the physical methods of sterilization.
b) Write abt different fungicidal agents with their mode of action.
- 15 a) Explain the mechanism of action of various disinfectants.
b) Write a note on validation of sterilization.
- 16 a) Write a note on microbial assay of penicillin.
b) Write a note on official vaccines.
- 17 a) Write a note on malarial parasite.
b) Discuss abt the infectious disease cholera.
- 18 a) Discuss abt ELISA.
b) Write abt Gonorrhea.
