

**FACULTY OF PHARMACY**  
**Pharm. D (6 YDC) II-Year (Main) Examination, July 2017**

**Subject : Pharmaceutical Microbiology**

**Time : 3 Hrs****Max. Marks: 70**

***Note: Answer all questions from Part - A and answer any five questions from Part-B.***

**PART – A (10 x 2 = 20 Marks)**

- 1 What are Fungi?
- 2 Write abt virucide.
- 3 Explain Natural immunity.
- 4 What is medical microbiology?
- 5 Structure of Bacteriophage.
- 6 What is Generation time?
- 7 Define Antibody.
- 8 Write abt selective media.
- 9 Write the significance of PCR.
- 10 What are Toxoids?

**PART – B (5 x 10 = 50 Marks)**

- 11 (a) Discuss the importance of microbes in industrial microbiology.  
(b) Write a brief note on germ theory of disease with a mention of Koch's postulates.
- 12 (a) Describe the general characteristics of viruses.  
(b) Write abt Rickettsias.
- 13 (a) Discuss various methods for isolation of bacteria.  
(b) Write a note on bacterial stains and explain the different staining techniques.
- 14 (a) Discuss various methods for sterilization of pharmaceutical products.  
(b) Write a brief note on test for sterility.
- 15 (a) What are disinfectants? Write abt different classes of disinfectants with examples..  
(b) Briefly explain Rideal-walker (RW) test.
- 16 (a) Describe Schick's test and mention its uses.  
(b) Discuss abt western blot test and its significance.
- 17 (a) Write a note on microbial assays of antibiotics.  
(b) Write abt pathogenesis, lab diagnosis and prevention of HIV.
- 18 (a) Describe antigen-antibody reactions.  
(b) Give a brief account of infectious diseases – Tuberculosis

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