

FACULTY OF PHARMACY
B. Pharmacy III Semester (PCI) (BACKLOG) Examination,
February / March 2022

Subject: Pharmaceutical Microbiology

Time: 3 Hours

Max. Marks: 75

PART - A

Note: Answer all questions.

(10 x 2 = 20 Marks)

- 1 What are prokaryotes and Eukaryotes?
- 2 Write pharmaceutical significance of protozoa.
- 3 What is Tyndalization?
- 4 What is sterilization, disinfection and antiseptics?
- 5 What is aseptic area?
- 6 Define antiseptic and disinfection.
- 7 Define pasteurization.
- 8 What is antibiotic?
- 9 What is bacteriostatic and bactericidal?
- 10 Write a note on hot air oven.

PART - B

Note: Answer any two questions.

(2 x 10 = 20 Marks)

- 11 Explain in detail about Dark field microscopy.
- 12 Explain Physical and Radiation methods of Sterilization.
- 13 Explain sterility testing of solids and liquids.

PART - C

Note: Answer any seven questions.

(7 x 5 = 35 Marks)

- 14 Explain about preservation of pure cultures.
- 15 Explain Acid fast staining.
- 16 Write the applications of Animal cell culture.
- 17 Explain the reproduction in Bacteriophages.
- 18 Explain about starch hydrolysis test.
- 19 Explain about cultivation of aerobic bacteria.
- 20 Write about moist heat sterilisation.
- 21 Write about different sources of contamination in aseptic area.
- 22 Explain viable count method of bacteria.
