



### Sessional II (Odd) Semester Examination, October 2025

Roll no.....

Name of the Course and semester: B.Pharm. Semester III

Name of the Paper: PHARMACEUTICAL MICROBIOLOGY

Paper Code: BP 303T

Time: 1.5-hour

Maximum Marks: 30

**Note:**

- (i) This question paper contains three sections
- (ii) All the sections are compulsory
- (iii) Cuts and over writing not consider. Write only (i,ii,iii or iv) as options.

#### Section-A

#### MULTIPLECHOICEQUESTION

**10X1 = 10 marks**

- a. Fungi reproduce asexually for spore formation. CO-3
  - i. Candida
  - ii. Aspergillus
  - iii. Penicillium
  - iv. Rhizopus
- b. Which disease is termed as bacterial infection? CO-3
  - i. Pneumonia
  - ii. Influenza
  - iii. Cold and sneezing
  - iv. Coughing
- c. Single strand genome virus is which one? CO-3
  - i. Parvoviruses
  - ii. Herpesviruses
  - iii. Poxviruses
  - iv. Adenoviruses
- d. Substance causes febrile reaction in circulatory system. CO-3
  - i. Pyrogens
  - ii. Antigens
  - iii. Hormones
  - iv. Antibodies
- e. Anaerobic bacteria primarily cultured in CO-3
  - i. Fluid thioglycolate medium
  - ii. Dextrose Agar medium
  - iii. Alternate thioglycolate medium
  - iv. Soyabean casein digest medium
- f. Clean air is claimed to be approx. CO-4
  - i. 99.97% microbial free
  - ii. 99.99% microbial free
  - iii. 99.98% microbial free
  - iv. 99.96% microbial free
- g. What of the material is used in flexing floor material CO-4
  - i. PVC
  - ii. Epoxy resin
  - iii. 8-hydroxyquinolin
  - iv. Inorganic fillers

- h. Cetrimide is used in aseptic area as **CO-4**  
i. Wall repairing  
ii. Skin disinfectant  
iii. Cleansing solution of wounds  
iv. Wiping Solution
- i. Air velocity in HEPA filters is **CO-4**  
i. 0.55m/s  
ii. 0.54m/s  
iii. 0.56m/s  
iv. 0.57m/s
- j. Which one type of air flow pattern is not functioned in laminar air flow cabinet. **CO-4**  
i. Horizontal air flow  
ii. Vertical air flow  
iii. Unidirectional airflow  
iv. Combined air flow.

### **SECTION B**

**Short Questions: Attempt any two** **2x5 = 10marks**

- a. Quote four differences between Fungi and virus **CO3**  
b. Briefly describe tests for bactericidal activity. **CO3**  
c. Give the types of air flow LAF cabinets. **CO4**

### **SECTION C**

**Long questions: Attempt any one** **1x10 = 10marks**

- a. Give Baltimore classification of Virus. **CO 3**  
b. Describe the Layout of Clean area. Write the condition of floors, walls and doors of aseptic room **CO 4**