

Enrollment No: \_\_\_\_\_ Exam Seat No: \_\_\_\_\_

# C. U. SHAH UNIVERSITY

## Winter Examination-2022

**Subject Name: Pharmaceutical Microbiology - Theory**

**Subject Code: BP303T**

**Branch: B.Pharm**

**Semester: 3**

**Date: 23/11/2022**

**Time: 11:00 To 02:00**

**Marks: 75**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

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- Q-1 Attempt the following questions: (20)**
- A** Define: Gram Staining 2
  - B** Define: Fermentation 2
  - C** Define: Magnification 2
  - D** Define: LAL Test 2
  - E** Define Bacteria. 2
  - F** Enlist types of methods used for sterilization. 2
  - G** Define Microbial Contamination 2
  - H** Define: Growth Curve 2
  - I** Write Koch's Postulates. 2
  - J** Define: Aseptic area 2
- Q-2 Attempt any two of following : (20)**
- A** Cultivation of Virus and explain Chick Embryo Method in detail. 10
  - B** Draw well labeled diagram of laminar air flow system with its importance. 10
  - C** Explain Swan's Neck Flask Experiment with neat and clean diagram. 10
- Q-3 Attempt any Seven of following : (35)**
- A** Explain Morphology and classification of Fungi. 5
  - B** Contribution of Louis Pasteur. 5
  - C** Differentiate Prokaryotes and Eukaryotes. 5
  - D** Explain TEM. 5
  - E** Scope and Importance of Microbiology. 5
  - F** Explain Microbiological Assay for Antibiotic. 5
  - G** Write sources and types of Microbial Contaminants. 5
  - H** Define Moist Heat Sterilization and explain Autoclave in detail. 5
  - I** Explain IMViC Test. 5

