[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper: 3882

J

Unique Paper Code

: 2176000003

Name of the Paper

: SEC: LAB TESTING AND

QUALITY ASSURANCE

Name of the Course : All Undergraduate Courses

Semester

: II/IV/VI

Duration: 1 Hour

Maximum Marks: 30

## Instructions for Candidates

- 1. Write your Roll No. on the top immediately on receipt of this question paper.
- 2. Attempt any Two questions.

- (a) What is the importance of sample preparation in 1. laboratory testing?
  - (b) Give an example of a common lab instrument and describe how it is calibrated.
  - (c) Write a short note on subsectors of life sciences industry. (5,5,5)

- 2. (a) What is chromatography? Also, explain how to calculate Retention factor.
  - (b) What is quality management system?
  - (c) What are the key principles of Quality Assurance? (5,5,5)
- 3. (a) Define Good Storage Practices (GSP) and its relevance in a lab. What is the ideal storage condition for light-sensitive chemicals?
  - (b) What are the characteristics of a good quality control program?
  - (c) What is the purpose of standard operating procedure (SOP). (5,5,5)
- 4. Write short notes on ANY THREE:
  - (a) Troubleshooting in quality control
  - (b) Accuracy and precision
  - (c) Electroanalytical method
  - (d) Drug regulatory agency (5,5,5)