

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 11718

K

Unique Paper Code : 2176000003

Name of the Paper : SEC- Lab Testing and Quality Assurance

Name of the Course : **All courses**

Semester : I/III/V

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 in all.
3. **All** questions carry equal marks.

1. Define chromatography. Explain the terms stationary phase and mobile phase. How can we calculated R_f value ?
(15)

P.T.O.

2. (a) What are the major Subsectors of life science industry?
- (b) Why is calibration important for analytical instruments? How can we calibrate pH meter?
- (c) Write a short note on Quality certification. (5,5,5)
3. (a) What is role of Quality Assurance (QA) in analytical chemistry?
- (b) What is importance of Good Storage Practice (GSP)? How light-sensitive substances should be stored?
- (c) Write a short note on electroanalytical method. (5,5,5)
4. Name the major government agencies involved in product regulation. Write their roles in ensuring product quality and safety. (15)