

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 4689

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Unique Paper Code : 2176000003

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

Name of the Course : **All 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 **two** questions in all.

1. (a) Expand the following term

(i) GMP (ii) GLP

(iii) GCP (iv) SOP

(v) ISO

- (b) Discuss the importance of quality assurance and quality control in Life Science manufacturing industries.

P.T.O.

- (c) What are good laboratory Practices which is crucial for scientific research. (5,5,5)
2. (a) Explain the principle and steps involved in a volumetric analysis.
- (b) What is the difference between QMS and ISO and their purpose.
- (c) What do you mean by electroanalytical methods of analysis? Give the names of any four electroanalytical techniques. (5,5,5).
3. (a) For maintaining sample integrity, it is necessary to have proper storage condition, justify the statement.
- (b) Briefly discuss sample preparation, preservation, storage, and handling of sample.
- (c) What are the good storage practices in food industries. (5,5,5)
4. (a) Explain, why audit evidence and documentation is very important for any laboratory.
- (b) What are the causes of troubleshoot QC in laboratory.
- (c) Define the role CDSCO and FSSAI in their respective field. (5,5,5)