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V SEMESTER B.Sc. EXAMINATION - MARCH/APRIL 2022

SCHEME: SEMESTER- CBCS

MICROBIOLOGY

Microbial Quality Control in Food and Pharmaceutical Industry

Time: 02 Hours

Max Marks: 40

Instructions to Candidates: 1. Answer all the questions.

2. Draw neat labelled diagrams wherever necessary.

I. Answer the following:

2x10=20

1. Explain the cultural and microscopic methods to determine microbes in samples.

OR

Give an account on nucleic acid probes.

2. Discuss the principles of food safety and explain the BIS standards for common food and drinking water .

OR

Explain the enrichment culture technique for detection of specific microorganisms.

II. Answer any FIVE of the following:

5x4=20

3. Good laboratory practices.

4. Gel diffusion technique.

5. HACCP

6. Detection of Endotoxin.

7. Ascertaining microbial quality of milk by rapid detection method.

8. Food safety.

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