

1 Hour

Total Marks: 25

Note: -

1. Attempt all questions.
2. Draw neat labeled diagrams wherever necessary.
3. Figures to the right indicate full marks

- Q.1 Answer the following (Any 2)** **10**
- 1 Discuss about the process studied by you to identify Microorganism.
  - 2 Give a detailed account on Gram staining.
  - 3 Write a note on industrially important Bacteria.
  - 4 Describe the normal growth curve of microorganism.
- Q.2 Answer the following (Any 2)** **10**
- 1 Elaborate on the microbial control by chemical method.
  - 2 Discuss the importance of microbes in drug industry.
  - 3 Discuss about the Regulatory Microbiological testing in pharmaceuticals.
  - 4 Describe microbiological examination of ASU products.
- Q.3 Do as directed** **5**
- 1 What is Log phase?
  - 2 Any one Biochemical Test for identification of microorganism
  - 3 What is Membrane Filtration?
  - 4 Any one application of Incubator
  - 5 Define Direct Inoculation
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