

- Q.20 Briefly discuss about the size and shape of bacterial cell.
- Q.21 Briefly explain about the micronutrients and growth factors needed by the microorganism for their growth.
- Q.22 Briefly explain about simple and differential staining.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Briefly explain about cell organelle and their function.
- Q.24 Differentiate between unicellular and multicellular organisms.
- Q.25 Describe the history of microbiology in detail.

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1st. Sem. Branch: Food Technology
Sub : Basic Microbiology

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Fungi are characterized into two types that is yeast and...
- a) Buds b) Ticks
- c) Molds d) Algae
- Q.2 Which of the following is ionizing radiation?
- a) UV rays b) Ur rays
- c) IR d) None of these
- Q.3 What is true about fungi?
- a) Eukaryotic organisms b) Prokaryotic organisms
- c) Unicellular d) Algae
- Q.4 Who is known as the father of microbiology?
- a) Edwin john butler

- b) Ferdinand cohn
c) Robert koch
d) Antoni van Leeuwenhoek
- Q.5 The approximate size of the bacterial cell is _____
a) 1mm in diameter
b) 0.5 to 1.0 micrometer in diameter
c) 2mm in diameter
d) 2 micrometer in diameter
- Q.6 Comma shaped bacteria are known as
a) Coccii b) Vibrium
c) Spirillum d) Bacilli
- SECTION-B**
- Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)
- Q.7 Scientific equipment that magnifies very small objects that are not visible to naked eyes _____.
- Q.8 Process by which an article, surface or medium is made free of all microorganism either in vegetative or spore form _____
- Q.9 First phase of growth curve is _____

- Q.10 A organism that can be seen only through a microscope _____.
- Q.11 Rapid bacterial growth phase is known as _____.
- Q.12 Organisms that grow well at or above 55^0C are called _____.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Describe the procedure used for isolation of pure culture by pour plate technique also mention the disadvantages of this technique.
- Q.14 Briefly explain the specific features and types of monerans.
- Q.15 Draw a well labeled diagram of eukaryotic cell.
- Q.16 Briefly explain the factors affecting microbial growth.
- Q.17 Explain different mode of reproduction of bacteria.
- Q.18 Classify fungi on the basis of mode of nutrition.
- Q.19 Classify bacteria on the basis of arrangement of cocci.