

- 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) Cocci 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 _____

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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 55⁰C 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.

Q17 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.

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