

1st Sem / Food Technology
Subject : Basic Microbiology

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 Who is known as the father of modern Microbiology
a) Edward Jenner b) Leeuwenhock
c) Louis Pasteur d) Alexander Fleming
- Q.2 Which type of bacteria are spiral shaped ?
a) Bacillus b) Vibrium
c) Spirillum d) Coccus
- Q.3 The bacteria which can grow at the temperature of above 80°C are known as _____.
a) Mesophiles b) Thermophiles
c) Psychrophiles d) None of them
- Q.4 What is Microbiology ?
a) Study of Microscope
b) Study of microorganisms
c) Study of animals and their species
d) Both b and c

Q.5 Alexander Fleming discovered -

- a) Penicillin
- b) Protein
- c) Both a and b
- d) None of them

Q.6 Maximum growth of microbes occurs in -

- a) Lag Phase
- b) Log Phase
- c) Stationery Phase
- d) Death Phase

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. $(6 \times 1 = 6)$

Q.7 Human cells are _____ cells.

Q.8 The hydrogen ion concentration is called pH.
(True/False)

Q.9 The number of bacterial cells increases in lag phase.
(True/False)

Q.10 Yeast, which is used in bread making, is a unicellular organism. (True/False)

Q.11 _____ is known as father of microbiology.

Q.12 E.coli is a gram _____ bacteria.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

Q.13 Write down the purpose of staining.

Q.14 What is serial dilution ?

Q.15 Define Sterilization.

Q.16 Explain about radiation.

Q.17 Write a short note on macro and micro nutrients.

Q.18 Classify the bacteria on the basis of temperature requirement.

Q.19 Write the characteristics of fungi.

Q.20 What is the difference between yeast and mold ?

Q.21 Explain four phase of bacterial growth.

Q.22 Write a short note on kingdom protista.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. $(2 \times 8 = 16)$

Q.23 Write the classification of living organism in detail.

Q.24 What is the difference between unicellular and multicellular organisms ?

Q.25 Explain the mode of reproduction of bacteria in detail.