

Q.19 Explain the difference between prokaryotic and eukaryotic cell.

Q.20 Write a short note on serial dilution.

Q.21 What are macro and micro nutrients?

Q.22 Discuss about filtration in brief.

SECTION-D

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

Q.23 What is the difference between gram +ve and gram -ve bacteria?

Q.24 Write the factors which control the microbial growth.

Q.25 Write about the history of microbiology.

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Roll No.

1st Year / Food Technology

Subject:- Basic Microbiology

Time : 3Hrs.

M.M. : 60

SECTION-A

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

Q.1 Who is known as the father of microbiology?

- a) Robert Koch b) Joseph Lister
- c) Leeuwenhock d) Edward Jenner

Q.2 Which type of bacteria is rod-shaped?

- a) Coccus b) Bascillus
- c) Spirillum d) Vibrium

Q.3 A well defined nucleus is present in _____

- a) Prokaryotic cell b) Eukaryotic cell
- c) Both a and b d) All of them

Q.4 Which factor influences the microbial growth?

- a) Temperature and pH
- b) Water activity
- c) Oxygen
- d) All of them

Q.5 The cell wall of fungi is made up of _____

- a) Chitin b) Polysaccharides
- c) Both a and b d) None of them

Q.6 The process of transfer of heat from one place to another place without heating the intervening medium is called _____

- a) Conduction b) Radiation
- c) Convection d) All of them

SECTION-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

Q.7 _____ is the father of immunology.

Q.8 Methylene blue is used in _____ staining.

Q.9 The scientist Alexander Fleming discovered the Penicillin antibiotic. (True/False)

Q.10 _____ shaped DNA is found in eukaryotic cells.

Q.11 The Thermophiles bacteria can best grow above 45°C temperature. (True/False)

Q.12 Which microorganism is used in bread making?

SECTION-C

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

Q.13 Define staining.

Q.14 Define the microbiology.

Q.15 What is the difference between sterilization and pasteurization?

Q.16 Write the four phases of microbial growth.

Q.17 Classify the bacteria on the basis of number of flagella.

Q.18 Write a short note on kingdom fungi.