

No. of Printed Pages : 4
Roll No.

221914

NEP / 1st Sem. / DMLT
Subject : Basic Micro-Biology

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 Which enzyme convert milk in to curd?
- a) Bacillus
 - b) Lactovibrio
 - c) Lactococcus
 - d) Lactobacillus
- Q.2 Study of fungi is _____
- a) Parasitology
 - b) Mycology
 - c) Microbiology
 - d) Virology
- Q.3 Which microorganism have complex cellular structure?
- a) Eukaryotic group
 - b) Prokaryotic group
 - c) Both A and B
 - d) None of these

- Q.4 Which technique is used to destroy the microorganisms?
- a) Sterilization
 - b) Filtration
 - c) Both I & II
 - d) None of these
- Q.5 Full form of AFB is
- a) Acid fast Bacilli
 - b) Acid free bacteria
 - c) Alkali fast Bacilli
 - d) None of these
- Q.6 Which one is used as a solidifying agent
- a) Peptone
 - b) Agar
 - c) Dextrose
 - d) None of these

SECTION-B

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

- Q.7 Define Bio-safety cabinets.
- Q.8 Which one is used for moist heat sterilization.
(Autoclave/Hot air oven)
- Q.9 What is resolving power in microscope?
- Q.10 Define Broth.

Q.11 _____ originate from cytoplasm and helps in movement. (Pilli/ Flagella)

Q.12 Which one is a basic dye. (Methylene/Eosin)

SECTION-C

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

Q.13 Write any four safety precautions used in microbiology.

Q.14 Write down the Importance of Microbiology.

Q.15 Describe classification of Microorganism in brief.

Q.16 What are nutritional requirement of bacteria.

Q.17 Write a short note on dry heat sterilization.

Q.18 What is Antiseptic. Explain its type.

Q.19 Write down the care & maintenance of Microscope.

Q.20 How to prepare thick smear?

Q.21 Write a short note on Culture Media.

Q.22 Explain Enriched & Selective culture media.

SECTION-D

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

Q.23 Write down the principle, procedure & observation of Gram Stain.

Q.24 Explain Autoclave with its principle, construction & working procedure.

Q.25 Draw a Compound Microscope & Explain its principle & working.