

No. of Printed Pages : 4
Roll No.

221914

**1st Semester/ DMLT, DMLT
(For Speech & Hearing Impaired)
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 bacteria decompose organic compounds into inorganic and derive energy.
- a) Heterotrophic b) Saprophytic
c) Autotrophic d) None of these
- Q.2 The construction of the simple microscope is attributed to
- a) Louis Pasteur
b) Antony van Leeuwenhoek
c) Haeckel
d) Robert Koch
- Q.3 Autoclaving inactivates / Kills bacteria by
- a) Oxidation b) Reduction
c) Denaturation d) Hydrolysis

- Q.4 Agar is used as _____.
a) Solidifying agent b) Nutrition
c) Growth media d) None of these

- Q.5 Study of Microorganism is _____.
a) Parasitology b) Virology
c) Mycology d) Microbiology

- Q.6 AFB stands for _____.
a) Acid fast bacilli b) Acid fast bacteria
c) Acid fat bacilli d) None of above

SECTION-B

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

- Q.7 Who is the father of Microbiology.
Q.8 Cell wall of bacteria is made up of?
Q.9 Define the term sterilization.
Q.10 Which is the main solvent used for preparation of culture media?
Q.11 Define Micro biology.
Q.12 Define Autotrophic.

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SECTION-C

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

- Q.13 Classify the bacteria on the basis of shapes.
Q.14 Define and give example of each
a) Selective Media
b) Enriched media.
Q.15 Describe various bio safety cabinets.
Q.16 Write a note on microbiology laboratory safety rule.
Q.17 Explain bacterial growth curve with its diagram.
Q.18 Write a short note on Hot Air oven.
Q.19 Write a short note on Basal Media.
Q.20 What is the principle of Compound Microscope?
Q.21 Give the principle and procedure of Gram Staining.
Q.22 Define Disinfectants and list the type of disinfectants.

SECTION-D

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

- Q.23 Draw and Explain compound microscope with care and maintenance.
Q.24 Describe principle, preparation and procedure of AFB staining method.
Q.25 a) Explain chemical sterilization in brief.
b) Explain classification of bacteria in brief.

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