

No. of Printed Pages : 4
Roll No.

221914

**1st Sem / DMLT, DMLT
(For Speech and 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 Study of parasite is _____

- a) Parasitology b) Virology
- c) Mycology d) Microbiology

Q.2 In Albert stain microorganism stains

- a) Red color b) Blue color
- c) Orange color d) Green color

Q.3 Obligatory Anaerobes are

- a) Cannot grow profusely in presence of oxygen
- b) Cannot grow in presence of oxygen
- c) Can survive in presence of oxygen
- d) None of these

Q.4 In radiation sterilization _____ rays are used

- a) Gamma b) Beta
- c) Ultra d) None of these

Q.5 Agar is used as _____

- a) Solidifying agent b) Nutrition
- c) Growth media d) None of these

Q.6 Equipment used to achieve sterilization does not include?

- a) Laminar Air Flow b) BOD incubator
- c) UV Rays d) Centrifuge

SECTION-B

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

Q.7 Define the term Thermal Death Time.

Q.8 _____ is considered as father of microbiology

Q.9 Cell wall in bacteria is made up of?

Q.10 Name two scientists for their contribution in the development of microbiology.

Q.11 Define basal media.

Q.12 Which microorganisms are unicellular and parasitic in nature?

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SECTION-C

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

- Q.13 Write the safety guidelines of the microbiology lab.
- Q.14 Classify the bacteria on the basis of shapes.
- Q.15 Discuss the brief procedure and significance for AFB Staining.
- Q.16 Explain Gram stain technique in brief.
- Q.17 Define Hot air oven and write their uses/application.
- Q.18 Draw bacteria cell and explain in brief.
- Q.19 Define and give examples of each.
- a) Transport media
 - b) Enriched media
- Q.20 Analyze the basic composition of bacteriology culture media.
- Q.21 Define disinfectants and explain its type in brief.
- Q.22 Write down the classification of bacteria based on flagella.

SECTION-D

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

- Q.23 Define sterilization and explain its various types in Short.

- Q.24 Write down the principle, procedure and observation of AFB staining.
- Q.25 Discuss the working procedure of an hot air oven with the help of labeled sketch.