

- Q.24 Write down the procedure of cleaning of glassware.
- Q.25 Write down the principle of Disc Diffusion Method.
- Q.26 How to prepare thin and thick smear?
- Q.27 Demonstrate the Motility method.
- Q.28 Explain selective culture media.
- Q.29 Explain Inoculations of Culture Media.
- Q.30 What are the characteristics of Agar.
- Q.31 What are nutritional requirement of bacteria.
- Q.32 Write about the importance of Microbiology in our daily life.
- Q.33 What are flagella & Pilli.
- Q.34 Write a short note on Citrate Utilization Test.
- Q.35 Write down the care & maintenance of Microscope.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Write down the principle, procedure & observation of Gram Stain method.
- Q.37 Explain Autoclave with its principle, construction & working procedure.
- Q.38 What is Compound Microscope. Explain its parts, principle & working with diagram.

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1st Sem / Branch : DMLT Subject:- Clinical Microbiology-I

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Enzyme present in curd is
- a) bacillus b) lactovibrio
- c) lactococcus d) lactobacillus
- Q.2 Study of microorganisms is _____
- a) fungilgy b) mycology
- c) microbiology d) virology
- Q.3 Locomotary organ bacteria is
- a) flagella b) villi
- c) cillia d) spores
- Q.4 Which nuclear material present in bacteria
- a) DNA b) RNA
- c) Both I & II d) None of above

- Q.5 Full form of ATP is
- Adenosine triphosphate
 - Adenosine triphosphorus
 - Both I&II
 - None of the above
- Q.6 Binary fission is a part of
- mitotic
 - meiosis
 - budding
 - fusion
- Q.7 Which phase is initial phase of bacteria population
- lag phase
 - log phase
 - stationary phase
 - decline phase
- Q.8 Cholerae is caused by
- salmonella
 - E.coli
 - vibrio cholerae
 - shigella
- Q.9 Which bacteria have a round shape
- bacillus
 - coccus
 - spirillum
 - vibrio
- Q.10 The sterilization is by
- Dry Heat
 - Moist Heat
 - Both I & II
 - None of these

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 What are disinfectants?
- Q.12 Gram stain is done for (Tuberculosis/Staphylococcus)
- Q.13 Sintered glass is used in _____ sterilization (filtration/radiation)
- Q.14 Compound microscope was invented by (pasteur /koch)
- Q.15 Who is resolving power of microscope.
- Q.16 Which is the moist heat sterilization instrument. (autoclave/hot air oven)
- Q.17 Electron microscope gives magnification upto (200000X/50000X)
- Q.18 Name the dry heat sterilization instrument (autoclave/hot air oven)
- Q.19 Define sterilization?
- Q.20 Name the father of microbiology.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Write a short note on moist heat sterilization.
- Q.22 Write short note on Culture Media.
- Q.23 What is Antiseptics. Explain its types.