

- Q.26 How to isolate pure & mixed cultures?
- Q.27 Explain Basal cultural media and Transport culture media.
- Q.28 Write a short note on VP test.
- Q.29 What is bacterial growth curve & its phases also.
- Q.30 What is disinfectant. Explain their types.
- Q.31 Write about the safety guidelines of Microbiology lab.
- Q.32 Write down the care & maintenance of Electron Microscope.
- Q.33 Explain Hanging Drop Method of motility.
- Q.34 Write down the classification of bacteria based on shape.
- Q.35 Write the principle of dark field 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 Z-N Staining method.
- Q.37 Briefly describe Microscopic examination of bacteria.
- Q.38 What is Sterilization. Explain about the instruments used for the Moist heat.

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Roll No.

1st Sem. / DMLT

Subject:- Clinical Microbiology - I

Time : 3Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Hot air oven is used for?
- a) Infection b) Sterilization
- c) Washing d) Storage
- Q.2 In sterilization, _____ rays are used
- a) gamma b) beta
- c) UV d) None of these
- Q.3 _____ are chemical agents that stop the growth of micro-organism
- a) antiseptics b) Antibacterial
- c) Disinfectant d) shigella
- Q.4 Name the antiseptic
- a) thymol b) dettol
- c) Soap d) All of these

- Q.5 Source of peptone is
 a) Carbon b) nitrogen
 c) protein d) lipid
- Q.6 Agar is used as _____
 a) Solidifying agent b) nutrition
 c) growth media d) None of these
- Q.7 Acid fast staining is known as _____
 a) gram staining b) H & E stain
 c) Albert d) Z-N stain
- Q.8 Crystal violet is used in gram stain as
 a) decolorization b) primary stain
 c) Counter stain d) mordant
- Q.9 Which reagent is used as counterstain in Z-N stain
 a) Crystal violet b) Lugol's iodine
 c) Safranin d) Methylene blue
- Q.10 Gram positive bacteria appears
 a) yellow b) purple
 c) red d) orange

SECTION-B

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

- Q.11 What is the full form of STD.

- Q.12 Tuberculosis is caused by (virus /TB bacteria)
- Q.13 Antimicrobial sensitivity test is done by? (Soil diffusion / Disc diffusion)
- Q.14 Study of bacteria is (bacterology /virology)
- Q.15 Coagulase test is used to differentiate _____ species. (staphylococcus / pneumococcus)
- Q.16 HIV affects the (CD2 cells / CD4 cells)
- Q.17 Glacial acetic acid is used in _____ stain for identification of spores. (albert/ Z-N stain)
- Q.18 In which media, flagella is visualised under microscope (liquid/solid)
- Q.19 Bromothymol blue is used as _____. (indicator/ mordant)
- Q.20 Syphilis is caused by (T.Pallidium /E.coli)

SECTION-C

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

- Q.21 Draw a well labeled diagram of bacteria cell.
- Q.22 Write a short note on Citrate utilization test.
- Q.23 What is the difference between Gram + ve and Gram -ve cell wall.
- Q.24 Write a short note on Seitz filtration method.
- Q.25 What is the role of micro-organism in food industry.