

- Q.31 Write the cultural characteristics of pneumococci.
- Q.32 Enlist the characteristics features of proteus.
- Q.33 Write a short note on the cultural characteristics of bacteria.
- Q.34 Give the lab diagnosis of sputum
- Q.35 Give the lab diagnosis of wound and skin infection.

#### **SECTION-D**

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

- Q.36 Describe the laboratory diagnosis of Urinary Tract Infection or Gastrointestinal tract Infection
- Q.37 Describe the different types of sources of nosocomial infection in detail
- Q.38 Describe the morphology, pathogenic sps, culture, biochemical characteristics and laboratory diagnosis of Mycobacterium or Staphylococcus

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**2nd Sem./Branch : DMLT**  
**Subject:- Clinical Microbiology-II**

Time : 3Hrs. M.M. : 100

#### **SECTION-A**

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

- Q.1 The optimum temperature of growth of bacteria is \_\_\_\_\_  
a) 40°C                          b) 37°C  
c) 60°C                          d) 45°C
- Q.2 Mycobacterium sps \_\_\_\_\_ are bacilli.
- Q.3 Nosocomial infection is also known as \_\_\_\_\_  
a) Hospital acquired infection  
b) Acquired infection  
c) Home acquired infection  
d) None of these
- Q.4 Meningitis is caused by \_\_\_\_\_.
- Q.5 Which of the following microbe can survive only inside the cell obligate intracellular pathogen?  
a) Salmonella                    b) Mycobacterium  
c) Rickettsia                    d) Vibrio

- Q.6 Scarlet fever is caused by \_\_\_\_\_.
- Q.7 \_\_\_\_\_ protects the cells against harsh and adverse environment conditions
- a) Spores                  b) Pilli
- c) Mesosomes              d) Ribosomes
- Q.8 \_\_\_\_\_ media is the selective media for the isolation of urine culture
- Q.9 Methylene blue or basic fuchsin are used for \_\_\_\_\_ Staining
- a) Simple                  b) Negative
- c) Differential            d) Special
- Q.10 S.Typhi Causes \_\_\_\_\_.

### SECTION-B

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

- Q.11 Define pathogenicity.
- Q.12 Voges-proskauer test is \_\_\_\_\_ for E.Coli.
- Q.13 Define bacteraemia.
- Q.14 Staphylococci is a \_\_\_\_\_ bacteria.
- Q.15 Give the morphology and staining character of staphylococci.
- Q.16 Flagella are organs of \_\_\_\_\_.
- Q.17 Name the pathogenicity of proteus.
- Q.18 Vibrio are \_\_\_\_\_ shaped.
- Q.19 Give the biochemical characteristics E-Coli.
- Q.20 Pathogens are microorganisms that are capable of producing disease \_\_\_\_\_ in the host organism

### SECTION-C

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

- Q.21 What are mycobacterium? How do they differ from others?
- Q.22 Give the morphology, pathogenicity and culture characteristics of E.coli
- Q.23 Write the laboratory diagnosis of shigella.
- Q.24 Give the morphology, staining and culture characteristics of streptococcus
- Q.25 Write about the collection and processing of sputum sample
- Q.26 Explain the morphology and lab diagnosis of salmonella
- Q.27 What are smears? How are they prepared?
- Q.28 Give the procedure of collection and transportation of various clinical samples
- Q.29 Enlist different sources of infection.
- Q.30 Write the control measures of nosocomial infection