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Roll No.....

1<sup>st</sup> Year Annual Pattern (Re-app)

Branch : DMLT

Sub.: Clinical Microbiology

Time : 3 Hrs.

M.M. : 60

### SECTION-A

**Note:** Multiple Choice Questions. All Questions are compulsory. (6x1=6)

Q.1 Microbiology is study of

- a) Viruses
- b) Bacteria
- c) Fungi
- d) Micro-Organisms

Q.2 MR stands for

- a) Mycobacterium tuberculosis
- b) Mycobacterium Laprae
- c) Methyl Red
- d) None of above

Q.3 Typhoid Fever is Caused by \_\_\_\_\_.

- a) Salmonella
- b) E. Coli
- c) T. Pallidum
- d) Vibrio Cholera

Q.4 AFB stand for \_\_\_\_\_.

- a) Acid fast bacilli
- b) Acid fat bacilli
- c) All of above
- d) None of above

Q.5 \_\_\_\_\_ is the purpose of bacterial examination.

- a) To detect bacteria
- b) To detect blood cells
- c) To detect pus cells
- d) All of above

Q.6 Which is an Acid fast bacteria.

- a) E.Coli
- b) Streptococcus
- c) Mycobacterium Tuberculosis
- d) Proteus

### Section-B

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

Q.7 Define Bacteriology.

Q.8 Name two samples for intestinal infection.

Q.9 Write the names of two common bacteria.

Q.10 Expand VP and MR.

Q.11 Write two preventions that stop the infection.

Q.12 Define Nosocomial infection.

### Section-C

**Note:** Short answer type Questions. Attempt any Eight questions out of Ten Questions.  $(8 \times 4 = 32)$

Q.13 Write a short note on UTI.

Q.14 Write a short note on pneumococci.

Q.15 Write down the morphology and cultural characteristics of vibrio cholera.

Q.16 Discuss the different types of infection.

Q.17 How to collect the urine sample.

Q.18 Discuss the disc diffusion method.

Q.19 Write a short note on catalase test.

Q.20 Discuss the processing of sputum sample.

Q.21 Write a short note on pathogen and its pathogenicity.

Q.22 What are the various mode of spread of infection.

### Section-D

**Note:** Long answer questions. Attempt any Two questions out of Three Questions.  $(2 \times 8 = 16)$

Q.23 Enumerate about principle and procedure of antimicrobial sensitivity test.

Q.24 Explain the lab diagnosis of UTI (Urinary tract infection)

Q.25 Write down the biochemical test and cultural characteristics of staphylococcus.