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Roll No. ....

**1st Year / MLT**

**Subject : Clinical Microbiology**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Expand STD

- a) Sexually transmission disease
- b) Sexually transferrable dysentry
- c) Sexually transmitted disease
- d) Sexually transmitted dysentry

Q.2 In Upper RTI, \_\_\_\_\_ sample is collected.

- a) Throat swab                      b) Urine
- c) Sputum                              d) Blood

Q.3 Mycobacterium tuberculosis is caused \_\_\_\_\_ disease.

- a) Typhoid fever                      b) Dysentry
- c) T.B.                                      d) Hypertrophy

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Q.4 Culture media is used to \_\_\_\_\_.

- a) To support the growth of blood cells
- b) To support the growth of animal tissue
- c) To support the growth of micro-organism
- d) all of above

Q.5 Expand MR

- a) Methyl red                              b) Methanol red
- c) Methylic red                              d) Methanal red

Q.6 Write a name of gram negative bacteria.

- a) Streptococcus                              b) E.coli
- c) Pneumococci                              d) Staphylococcus

**SECTION-B**

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

Q.7 Define cross infection.

Q.8 Name two samples for intestinal infection.

Q.9 Salmonella caused the \_\_\_\_\_ disease.

Q.10 What are the samples of RTI.

Q.11 Write two sources of spread of infection.

Q.12 Coagulase test is used to identify \_\_\_\_\_ bacteria.

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### SECTION-C

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

Q.13 What are the various preventions to stop the infection?

Q.14 Write a short note on streptococcus

Q.15 Write down the morphology and cultural characteristics of E.coli.

Q.16 What are the various sources of nosocomial infection?

Q.17 How to collect the urine sample.

Q.18 Discuss the disc diffusion method.

Q.19 Write a short note on carbohydrate utilization test.

Q.20 Discuss the processing of urine sample.

Q.21 Write a short note on Salmonella bacteria.

Q.22 Write down the processing of stool sample for parasitic intestinal infection.

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### SECTION-D

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

Q.23 Explain nosocomial infection and its types.

Q.24 Explain the lab diagnosis of enteric fever.

Q.25 Write down the morphology, biochemical test and cultural characteristics of mycobacterium tuberculosis.

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