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**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

- 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.  $(8 \times 4 = 32)$

- 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.  $(2 \times 8 = 16)$

- 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.