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Roll No. ....

**4th Sem.**

**Branch : DMLT**

**Sub.: Clinical Microbiology-IV**

Time : 3 Hrs.

M.M. : 100

**SECTION-A**

**Note: Multiple type Questions. All Questions are compulsory. (10x1=10)**

Q.1 Causative agent of enteric fever

- a) E coli                                      b) Vibro
- c) Treponema                                d) Salmonella

Q.2 Syphilis is caused by

- a) E. Histolytica                            b) Treponema
- c) Pseudomonas                            d) Proteus

Q.3 Penicilline is a \_\_\_\_\_

- a) Yeast                                        b) Yeast like fungi
- c) Mold                                        d) Dimorphic fungi

Q.4 VDRL is a type of reaction

- a) Precipitation                            b) Gel diffusion
- c) Agglutination                            d) Flocculation

Q.5 BHIA used for \_\_\_\_\_

- a) Bacteria                                    b) Fungi
- c) Virus                                        d) Algae

Q.6 Immunoglobulin is found in allergic condition \_\_\_\_\_.

- a) IgE    b) IgA
- c) IgD    d) IgM

Q.7 Otomycosis is caused by \_\_\_\_\_

- a) Mould                                      b) Bacteria
- c) Virus                                        d) Protozoa

Q.8 Microsporun not infect

- a) Hair                                         b) Skin
- c) Nail                                         d) All of them

Q.9 Athlete foot disease caused by

- a) IB    b) Syphilis
- c) Diphtheria                                d) Pneumonia

Q.10 VDRL test is used for diagnosis of

- a) IB    b) Syphilis
- c) Diphtheria                                d) Pneumonia

### SECTION-B

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

- Q.11 What are superficial Mycoses?
- Q.12 Write the principle of RH Factor.
- Q.13 What is CRP and what is its normal Range?
- Q.14 Why is the VDRL Test done in the laboratory?
- Q.15 Give the lab Diagnosis of Dermatophytes.
- Q.16 Write the composition of LCB Strain.
- Q.17 List the name of Enzymes used in Elisa Test.
- Q.18 Define Flocculation Reaction.
- Q.19 Explain the factors that affect immunity.
- Q.20 Explain the cultural characteristics of Penicillium.

### SECTION-C

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

- Q.21 Explain the term immunity and what is innate immunity.
- Q.22 Define the structure of FGM antibody.
- Q.23 Define Elisa Test and its applications.
- Q.24 How you will inculcate fungi on CMA and explain the procedure.

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- Q.25 Why Microbiology is important in our daily life.
- Q.26 Write the principle of Widal Test.
- Q.27 What are the general characteristics of isolation of Aspergillus Fungus.
- Q.28 How you will isolate Candida Fungi from the sample.
- Q.29 How you will perform CRP Test.
- Q.30 What is the principle and procedure of Kotl.
- Q.31 Write the general Characteristics and classification of Medically important Fungi.
- Q.32 How you will collect skin samples for fungal identification.
- Q.33 What is antigen antibody reaction.
- Q.34 Describe flocculation reaction with their application.
- Q.35 Write a short note on the VDRL Test.

### SECTION-D

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

- Q.36 What is syphilis and how will you be diagnosed this disease in the lab?
- Q.37 Explain precipitation test for antigen – antibody reaction.
- Q.38 Explain in detail the mechanism of Acquired Immunity.

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