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**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.

- 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.