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Roll No.

4th Sem.

Branch : DMLT, DMLT (For Speech & Hearing Impaired)

Sub. Immunology & Mycology

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 SDA Media was discovered in
a) 1892 b) 1880
c) 1885 d) 1890
- Q.2 Blood group are determined by ____ reaction.
a) CFT b) Gel diffusion
c) Agglutination d) Precipitation
- Q.3 BHI media is used for isolation and cultivation of _____.
a) Candida d) Histoplasma
c) Yeast d) Mould
- Q.4 India ink is used for identification of
a) Capsulated fungi b) Yeast like fungi
c) Fungal element d) Hyphane
- Q.5 Which type of test is done of Streptococcal infection
a) RA Test b) VDRL test
c) ASO d) CRP

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Q.6 Widal test is used for identification of

- a) Typhoid and parathphoid fever
- b) Viral fever
- c) Malaria
- d) Dengue

SECTION-B

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

- Q.7 Name is fungal cultural media.
- Q.8 Write down the pathogenicity of penicillium.
- Q.9 What is the difference between rhizopus and mucor fungi?
- Q.10 What is yeast type fungus? Write its classification.
- Q.11 Define the term syphilis infection.
- Q.12 Write the clinical significance of RF. Test.

SECTION-C

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

- Q.13 How will you perform the CRP test?
- Q.14 Write the principle of the widal test.
- Q.15 Explain Collection of hair, nail and skin scraping.
- Q.16 Write down 2 staining techniques which are used to stain fungi.
- Q.17 Write the procedure of KOH staining for fungal samples.

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- Q.18 Give the clinical significance and lab diagnosis of Aspergillus.
- Q.19 Why is the ASO test done in the lab? Write down its procedure.
- Q.20 Explain the factors that affect immunity.
- Q.21 What is fungus? How will you classify it?
- Q.22 How many types of ELISA are performed in a clinical laboratory.

SECTION-D

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

- Q.23 Explain the different types of culture media used in mycology laboratory.
- Q.24 Describe the principle, technique and interpretation of the widal test.
- Q.25 Explain innate and acquired immunity with examples.