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221944

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

- Q.6 Widal test is used for identification of  
a) Typhoid and paratyphoid 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.

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

- 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.

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