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Roll No. ....

**3rd Sem / Branch : DMLT**  
**Sub.: Clinical Microbiology - III**

Time : 3Hrs.

M.M. : 100

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 Expand ELISA.

- a) Enzyme Linked Immuno Sorbent Assay
- b) E Linked Immuno Sorbent Assay
- c) Both A & B
- d) None of these

Q.2 Study of virus is \_\_\_\_\_.

- a) Mycology                      b) Parasitology
- c) Virology                      d) None

Q.3 Organism that provide nourishment and shelter to parasite is \_\_\_\_\_.

- a) Host                              b) Parasite
- c) Flora                            d) Virus

Q.4 Aggregated mass of antigen and antibody is called \_\_\_\_\_.

- a) Agglutination                  b) Flocculation
- c) Shaking                        d) Both A & B

Q.5 Composition of VTM is

- a) Bovine serum                  b) Gentamycin sulphate
- c) EDTA                            d) Both A & B

Q.6 Trematodes is known as

- a) round worms                  b) tape worms
- c) Flat worms                    d) None of these

Q.7 Which of the following is not preservative for blood

- a) ACD                              b) CPDA
- c) FORMALIN                    d) HEPARIN

Q.8 In Amoebiasis, which sample is preferred

- a) Stool                              b) CSF
- c) Blood                            d) None of these

Q.9 Which cause the malaria disease.

- a) Plasmodium                  b) HIV
- c) E. Coli                            d) None of these

Q.10 Expand VDRL?

- a) Vital Disease research laboratory
- b) Viral Disease research laboratory
- c) Vital Diagnose research laboratory
- d) None of these

**SECTION-B**

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

Q.11 Define parasitology?

- Q.12 The head of *T. Solium* has \_\_\_\_\_ suckers. (4?6)
- Q.13 How many eggs are released by the female *ascaris lumbricoides*.
- Q.14 Define floatation concentration technique.
- Q.15 Define VTM.
- Q.16 Shape of virion of POXVIRUS is \_\_\_\_\_.  
(Spherical/ Bullet/ Round)
- Q.17 *Cysticercus bovis* is the larval form of \_\_\_\_\_ (*T. Solium* / *T. Saginata*)
- Q.18 HBV virus affect the \_\_\_\_\_ (Spinal cord/ Heart/ Muscles/ Liver)
- Q.19 Hookworm infection is diagnosed by detecting segment in fresh stool. (True/False)
- Q.20 Expand HBsAG.

### SECTION-C

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

- Q.21 Explain the lab diagnosis of *G. Lamblia*.
- Q.22 Describe the various characteristics of virus.
- Q.23 Write the lab diagnosis of Poliomyelitis.
- Q.24 Write a short note on parasitology?
- Q.25 Explain morphology of plasmodium.
- Q.26 Define the host and its types.

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- Q.27 Draw the life cycle of *T. Saginata*.
- Q.28 Describe morphological of HIV.
- Q.29 Write the procedure of formalin ether concentration technique.
- Q.30 Write on blood collection procedure by vein puncture method.
- Q.31 Write down the transportation and preservation for virological samples.
- Q.32 Write down the life cycle of malaria?
- Q.33 Write the procedure to diagnose the amebiasis.
- Q.34 Write the difference between fertilized egg and non-fertilized egg.
- Q.35 Explain the morphology of *G. Lamblia*.

### SECTION-D

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

- Q.36 Give the morphology, pathogenesis and life cycle of *T. Solium*.
- Q.37 Describe Agglutination with its applications.
- Q.38 Explain helminth and their classification with diagram.

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