



# DMLT/DMRT EXAMINATION BOARD, ODISHA

FINAL D.M.L.T. Annual Exam Of 2021

## QUESTIONS (MICROBIOLOGY, PAPER-II)

(IMMUNOLOGY, SEROLOGY, VIROLOGY, PARASITOLOGY)

TIME : 3 Hours

FULL MARKS:100

Answer all questions

1. Draw a neat labelled diagram of HIV. Discuss the transmission and lab diagnosis of HIV infection. (5 + 15 = 20 MARKS)

OR

- <sup>5</sup> Name some intestinal Nematodes. Describe the life cycle and lab diagnosis of Ascaris lumbricoides infection. <sup>15</sup> (5+15 = 20 MARKS)

2. Write Short notes (any five) (10 X 5 = 50 MARKS)

- Lab diagnosis of Hepatitis- B ✓
- Bile stained eggs in stool
- Structure of Ig M antibody ✓
- Life cycle of Leishmania Donovan ✓
- Type I Hypersensitivity reaction ✓
- Life Cycle of Entamoeba histolytica ✓

3. Write brief notes (any ten) (2 X 10 = 20 MARKS)

- Stains for stool sample
- ICT test for HIV
- Draw a diagram of Microfilaria.
- ICT test for Malarial Parasite
- Vaccines for rabies

- f. Leishman staining
- g. RT-PCR Test for RNA Viruses
- h. Name the haemorrhagic viruses
- i. Passive Immunity
- j. Oral Polio Vaccine
- k. Draw a diagram of Giardia lamblia

4. Fill in the blanks

(1X10= 10 MARKS)

- a. Antigen antibody reactions by particulate antigens is known as \_\_\_\_\_
- b. Give two examples of heterophile antigen \_\_\_\_\_
- c. Which Ig is known as millionaire molecule \_\_\_\_\_
- d. ELISA stands for \_\_\_\_\_
- e. Mode of transmission of Hep-A Virus \_\_\_\_\_
- f. Causative agent of infectious mononucleosis \_\_\_\_\_
- g. Vector of dengue fever \_\_\_\_\_
- h. Infective stage of Plasmodium falciparum \_\_\_\_\_
- i. Causative agent of Kala azar \_\_\_\_\_
- j. Infectious form of Entamoeba histolytica \_\_\_\_\_

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