



DMLT/DMRT EXAMINATION BOARD, ODISHA
Final D.M.L.T. Annual Exam Of 2019

QUESTIONS (MICROBIOLOGY : PAPER-II)
(Immunology, Serology, Parasitology & Virology)
Answer all Questions Time:3 hours// Full Marks-100

- 1:Answer any two of following (15X2=30)**
- a) Name the causative agent and infective form of amoebic dysentery. Write in short the life cycle, pathogenesis and laboratory diagnosis of amoebic dysentery.
 - b) Classify immunoglobulins and write functions of each.
 - c) Name the causative agent and vector of Kalazar. Write in detail the life cycle and laboratory diagnosis of Kalazar.

- 2 :Write Short notes (5x10=50)**
- a) Agglutination reaction
 - b) Hydatid cyst
 - c) Lab. Diagnosis of Filariasis
 - d) Cerebral Malaria
 - e) Polio vaccines
 - f) Swine flu
 - g) Examination of stool for ova and cyst of parasites
 - h) Antibiotic susceptibility test
 - I) Round worm infestation
 - j) Systemic fungi

- 3: Write correct answers from the following MCQs: (2X10=20)**
- (a) Reaction between a particulate antigen with its antibody is called:
 - (i) Agglutination
 - (ii) Precipitation
 - (iii) Complement fixation
 - (iv) Diffusion
 - (b) Polio virus is primarily transmitted by:
 - (i) Sexual contact
 - (ii) Animal bite
 - (iii) Faeco-oral route
 - (iv) Respiratory route
 - (c) Multiple ring form within an infected RBC are seen in:
 - (i) Plasmodium Vivax
 - (ii) Plasmodium falciparum
 - (iii) Plasmodium ovale
 - (iv) Plasmodium malariae

(d) The antibody that can cross placental barrier is

- (i) IgA
- (ii) IgM
- (iii) IgG
- (iv) IgE

(e) Swineflu is caused by:

- (i) SARS-CoV
- (ii) H5N1 influenza
- (iii) H1N1 influenza
- (iv) Hanta virus

(f) A sudden increase in number of cases of a particular disease in which the disease is normally endemic called:

- (i) Endemic
- (ii) Epidemic
- (iii) Pandemic
- (iv) Emerging illness

(g) Which of the following causes iron deficiency anaemia:

- (i) *Ascaris lumbricoides*
- (ii) *Ancylostoma duodenale*
- (iii) *Enterobius Vermicularis*
- (iv) *Tricuris trichunia*

(h) Antibodies are produced by:

- (i) T Cells
- (ii) Plasma Cells
- (iii) Antigen presenting cells
- (iv) Macrophages

(i) Which immunoglobulin is responsible for anaphylaxis:

- (i) IgA
- (ii) IgM
- (iii) IgE
- (iv) IgG

(j) Which of the following is a cestode:

- (i) *Ascaris lumbricoides*
- (ii) *Enterobius Vermicullaris*
- (iii) *Strongyloides stercoralis*
- (iv) *Taenia Solium*
