

Instructions:

- a) All questions are compulsory
- b) Draw diagrams wherever necessary
- c) Answers of Questions and Sub-questions must be written strictly according to serial order of question paper.
- d) Do not write anything on the blank portion of question paper, if written anything such type of act will be considered as an attempt to resort to unfair means

Q1. Long Answer questions

2 X 10 = 20

- a. Write in brief the morphology, life cycle and laboratory diagnosis of Echinococcus granulosus.
- b. Define and classify immunity. Write in brief the various mechanisms of innate immunity.

Q2. Short Answer Questions

4 X 5= 20

- c. Laboratory monitoring of HIV infection.
- d. Mono clonal antibodies.
- e. Candida albicans.
- f. Laboratory diagnosis of intestinal amoebiasis.

Q3. Very Short Answer Questions

1 X 10= 10

- a. What do understand by Street Virus?
- b. What is the scientific basis of polio eradication by Pulse Polio Immunization Programme?
- c. Tabulate two differences between Rhizopus and mucor.
- d. Draw neat and well labelled diagram of Mature cyst of Giardia lamblia.
- e. Name one virus each wherein you find the following inclusion bodies -
 - I. Guarnieri Bodies.
 - II. Cowdry type -B
- f. Give two differences between antigenic shift and drift.
- g. Name two applications of HLA typing.
- h. Name the infective stage of Plasmodium vivax and Schistosoma haematobium.
- i. Name two parasites which complete their life cycle using two intermediate hosts
- j. What is a Tzanck smear. Give its utility