



Instructions:

- 1) All questions are compulsory
- 2) Draw diagrams wherever necessary for Question no. 2, 3 and 4.
- 3) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued
- 4) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

Time : 2.30 Hours

Maximum Marks : 32

Q. 2. Long Answer Question

2 X 5 = 10

- 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.

Q3 Short Answer Question

4 X 3 = 12

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

Q4 Very Short Answer Question

10 X 1 = 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 labeled diagram of Mature cyst of Giardia lamblia
- e. Name one virus each wherein you find the following inclusion bodies :-
  - a. Guarnieri Bodies
  - b. Cowdry type-B
- f. Give two difference 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

