

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. Enumerate four blood sucking arthropods which transmit parasitic infections. Briefly write about laboratory diagnosis of Kala azar.
- b. Define hypersensitivity. Enumerate various types of hypersensitivity reactions. Write in brief about systemic type of Type I hypersensitivity reactions.

Q2. Short Answer Questions

4 X 5= 20

- a. Strategies of HIV testing.
- b. Hepatitis D virus
- c. Laboratory diagnosis of Cryptococcal meningitis
- d. Rhinosporidiosis

Q3. Very Short Answer Questions

1 X 10= 10

- a. Define Arboviruses. Give two examples.
- b. Give two microscopic differences between Microsporum and Epidermophyton.
- c. Define viviparous parasite and give one example.
- d. Give two examples of humoral immunodeficiencies.
- e. Tabulate two differences between T and B cells
- f. What do you understand by cytopathic effects.
- g. Define dimorphic fungi. Give one example.
- h. Draw a well labelled diagram of trophozoite of Giardia lamblia
- i. Name two methods of detecting viral growth in tissue cell lines.
- j. Enumerate three important complications of Plasmodium falciparum infection