

**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 the opportunistic infections in AIDS. Add a note on laboratory diagnosis of HIV infections.
- b. Classify tissue nematodes. Describe in brief pathogenesis and laboratory diagnosis of Bancroftian filariasis.

**Q2. Short Answer Questions**

4 X 5 = 20

- a. Monoclonal antibodies.
- b. Novel Corona virus.
- c. Laboratory diagnoses of Dermatophytosis.
- d. Cryptosporidiosis.

**Q3. Very Short Answer Questions**

1 X 10 = 10

- a. What is Cassoni's test? Mention the infections in which it is carried out.
- b. Define inclusion bodies. Give its one example.
- c. Name four determinants of Antigenicity.
- d. Enumerate two dimorphic fungi and the diseases produced by them.
- e. Enumerate two organisms causing Mycetoma.
- f. Enumerate two parasites causing CNS infection.
- g. Define super antigen? Give one example of it.
- h. Mention two infections caused by Epstein - Barr Virus.
- i. Name four Arboviral infections prevalent in India.
- j. Give two examples of Agglutination tests.