

Time allowed: 3 Hours

Max. Marks: 40

*NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.*

*x-x-x*

I. Answer the following:-

- a) Write the two names of diseases caused by protozoa.
- b) Give the name of disease caused by Leishmania.
- c) Write the name of two diseases caused by Nematodes.
- d) Write two applications of egg techniques?
- e) Which one is also known as roundworm?
- f) Give the names of two mosquito origin diseases?
- g) Why Casoni's test is conduct?
- h) Write the name of carrier of *Entamoeba histolytica*. (8x1)

UNIT - I

- II. a) Briefly describe the life cycle of Giardia. Also write diseases which causes by Giardia species.
  - b) Briefly describe the life cycle of one haemoprotozoa. (2x4)
- III. a) What are the medical importance of protozoa investigation?
  - b) Describe about the diagnosis of malarial infection and their significance. (2x4)

UNIT - II

- IV. a) Describe the life cycle of Leishmania.
  - b) Write a short on the diagnosis of Filaria infection. (2x4)
- V. a) Briefly describe about the kala-azar? How it can be diagnose in lab condition.
  - b) What are clinical measures used to prevent the worm infections. (2x4)

P.T.O.

(2)

**UNIT - III**

- VI. a) Describe in brief the method of Leishmania culturing.  
b) How you will identify the plasmodium species? (2x4)
- VII. a) Write the culture methods of helminthes in lab?  
b) How will you prepare antigen preparation for Casoni's test? Write its significance. (2x4)

**UNIT - IV**

- VIII. a) What do you mean by Entomology? Write only two techniques used in case of Flies.  
b) Write a short note on animal cares used in the parasitology. (2x4)
- IX. a) What are the safety measures used to prevent transmission of diseases from animals to human in animal houses?  
b) Write a short note on the staining of sample in parasitology lab. (2x4)

x-x-x