

B.Sc. 6th Semester (Honours) Examination, 2021

Subject: ZOOLOGY

Course ID: 62616

Course Code: SH/ZOO/603/DSE-3

Course Title: Parasitology

Full Marks: 25

Time: 1 Hr 15 Min

The figures in the right hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable

UNIT- I

1. Answer *any five* of the following questions: (1x5=5)

- a) Write the scientific name of vampire ground finch.
- b) What is paratenic host?
- c) What are the symptoms (any two) of giardiasis in humans?
- d) What do you mean by black sickness?
- e) Why do vampire finches drink blood?
- f) How do you prevent gall mites?
- g) Name one viviparous nematode parasites studied by you.
- h) Name the parasite associated with Gall formation.

UNIT-II

2. Answer *any two* of the following questions: (5x2=10)

- a) Distinguish between biological and mechanical vectors. Describe the role of mosquitoes as vector. 2+3
- b) What is Tsetse fly? Write the epidemiology and pathogenicity of *Trypanosoma gambiense*. 1+2+2
- c) Write the scientific name of vampire bat. What do you mean by “resident males” and “non-resident males” of vampire bats? Comment on its feeding habit. 1+2+2

- d) What do you mean by domestic cycle and sylvatic cycle of *Trichinella* sp. What is trichinosis? 4+1

UNIT-III

3. Answer any one of the following questions:

(10x1=10)

- a) What is pediculosis? Describe the life cycle of human lice with proper diagram. How head lice and body lice can be controlled? 1+(4+2)+3
- b) Write the name of the causative agent (scientific name) of lymphatic filariasis. Comment on its 'nocturnal periodicity'. How it can be controlled? What is elephantiasis? 1+3+4+2