



WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 6th Semester Examination, 2023

ZOOADSE05T-ZOOLOGY (DSE3/4)

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.*

1. Answer any **eight** questions from the following: 2×8 = 16
- (a) What is parasitoid? Cite example.
 - (b) Differentiate mechanical and biological vector.
 - (c) What is *Cysticercus cellulosae*?
 - (d) What is mealy pork?
 - (e) Who serve as the definitive and intermediate hosts of *Leishmania donovani*?
 - (f) Write two medical importance of *Pediculus humanus*.
 - (g) How does zoonosis differ from anthroponosis?
 - (h) How can you define a definitive host and an intermediate host?
 - (i) Name the smallest nematode infecting human. Write down the name of its intermediate host.
 - (j) What is transovarial transmission?
 - (k) What is ookinete?
 - (l) What is Schuffner's dots and Maurer's dots?
2. Answer any **three** questions from the following: 3×3 = 9
- (a) Write down the pathogenicity caused by *Giardia intestinalis*. How it can be prevented? 2+1
 - (b) Distinguish between ticks and mites. 3
 - (c) What is hypnozoite? What is BT malaria and MT malaria? 1+1+1
 - (d) Draw and describe the morphological forms of a blood parasitic protozoa. 3
 - (e) Briefly describe the structure of gravid proglottid of *Taenia solium* with a simple diagram. 2+1

3. Answer any *three* questions from the following: 5×3 = 15
- (a) Write a note on mosquitoes as vectors of human pathogen. 5
- (b) What is periodicity? Briefly describe the microfilarial periodicity of *Wuchereria bancrofti*. 1+4
- (c) Write notes on any *two*: 2½+2½
- (i) Cookiecutter shark
- (ii) Hood Mockingbird
- (iii) Vampire bat.
- (d) Write a note on types of myiasis in brief. 5
- (e) Write down the scientific name of rat flea and state the disease potential of the parasite. How can it be prevented? 1+3+1

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