



WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 6th Semester Examination, 2021

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 signet ring?
 - (b) What is 'hypnozoite'?
 - (c) Write two differences between soft ticks and hard ticks.
 - (d) What are the recommended drugs for *Schistosomiasis*?
 - (e) What is *cysticercus cellulosae*?
 - (f) What are the differences between biological and chemical vectors?
 - (g) Define parasitoid. Give an example.
 - (h) Define zoonosis.
 - (i) Name two families which are responsible for myiasis.
 - (j) Name the causative agent and vector of Kala-azar.
 - (k) What is febrile paroxysm?
 - (l) How Meloidogyne damages a plant?
 - (m) What is 'gynaecophoric canal'?
 - (n) What is 'Loeffler's syndrome'?
 - (o) Define 'ookinete'.

2. Answer any **three** questions from the following: 3×3 = 9
 - (a) Write the pathogenicity caused by *Entamoeba histolytica*. 3
 - (b) Describe briefly about the structure of rostrum of *Taenia*. What is gravid proglottids? 2+1
 - (c) What are the differences between male and female *Ascaris*? 3
 - (d) Write a short note on 'microfilarial periodicity'. 3
 - (e) Why mosquitoes are considered as vectors to spread pathogens. 3

3. Answer any **three** questions from the following: 5×3 = 15
 - (a) Describe the human cycle of *Plasmodium vivax* with suitable diagram. 3+2
 - (b) What is the pathogenicity and prophylaxis of *Taenia solium*. 3+2
 - (c) Write about the life cycle and pathogenicity of *Giardia intestinalis*. 3+2
 - (d) Describe the life cycle of body louse and how it acts as an agent to spread diseases. 3+2
 - (e) What is 'LD body'? Discuss the role of Sand fly as host and vector of Visceral Leishmaniasis. Name a drug used to treat the disease. 1+3+1

N.B. : Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.

—X—