



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.

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