



**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
- What is signet ring?
  - What is 'hypnozoite'?
  - Write two differences between soft ticks and hard ticks.
  - What are the recommended drugs for *Schistosomiasis*?
  - What is *cysticercus cellulosae*?
  - What are the differences between biological and chemical vectors?
  - Define parasitoid. Give an example.
  - Define zoonosis.
  - Name two families which are responsible for myiasis.
  - Name the causative agent and vector of Kala-azar.
  - What is febrile paroxysm?
  - How *Meloidogyne* damages a plant?
  - What is 'gynaecophoric canal'?
  - What is 'Loeffler's syndrome'?
  - Define 'ookinete'.
2. Answer any **three** questions from the following: 3×3 = 9
- Write the pathogenicity caused by *Entamoeba histolytica*. 3
  - Describe briefly about the structure of rostrum of *Taenia*. What is gravid proglottids? 2+1
  - What are the differences between male and female *Ascaris*? 3
  - Write a short note on 'microfilarial periodicity'. 3
  - Why mosquitoes are considered as vectors to spread pathogens. 3
3. Answer any **three** questions from the following: 5×3 = 15
- Describe the human cycle of *Plasmodium vivax* with suitable diagram. 3+2
  - What is the pathogenicity and prophylaxis of *Taenia solium*. 3+2
  - Write about the life cycle and pathogenicity of *Giardia intestinalis*. 3+2
  - Describe the life cycle of body louse and how it acts as an agent to spread diseases. 3+2
  - 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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