



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 6th Semester Examination, 2022

ZOADSE05T-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 “ring stage”?
 - (b) Differentiate parasitism and commensalism with example.
 - (c) What is a hyperparasite?
 - (d) Who serve as the definitive and intermediate hosts of *Leishmania donovani*?
 - (e) Compare mechanical and biological vectors with suitable examples.
 - (f) What is measles pork?
 - (g) How do the *Schistosomes* differ from other *trematodes*?
 - (h) What is zoonosis?
 - (i) What is Loeffler’s syndrome?
 - (j) What do you mean by definitive host?
 - (k) Write two medical importance of *Pediculus Humanus*.
 - (l) Write the difference between taeniasis and cysticercosis.

2. Answer any **three** questions from the following: 3×3 = 9
 - (a) What are the differences between male and female *Ascaris lumbricoides* (on the basis of morphological features)?
 - (b) Differentiate between erythrocytic and exo-erythrocytic schizogony.
 - (c) Describe with a diagram, the structure of scolex in *Taenia solium*.
 - (d) What is neurocysticercosis in human being?
 - (e) Write a short note on ‘root-knot nematode’.

3. Answer any **three** questions from the following: 5×3 = 15
 - (a) Name the parasite and its secondary host that causes urinary schistosomiasis. Why fascioliasis is considered as a global emerging disease? 2+3
 - (b) Draw and describe the life cycle of *Wuchereria bancrofti*.
 - (c) Describe the pathogenicity of the disease caused by *Entamoeba histolytica*. Why the parasite is so named? 3+2
 - (d) Briefly describe host parasite relationship in the following given features listed below: 2½ + 2½
 - (i) Parasitic castration
 - (ii) Types of host cell degeneration.
 - (e) Distinguish between hard tick and soft tick. Compare their disease potential. 2+3

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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