



WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 6th Semester Examination, 2022

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 “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: 2 $\frac{1}{2}$ + 2 $\frac{1}{2}$
 - (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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