

**B.Sc. 5th Semester (Honours) Examination, 2022 (CBCS)**

**Subject : Zoology**

**Course : DSE-2(T3)**

**(Parasitology)**

**Time : 2 Hours**

**Full Marks : 40**

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

**Group-A**

1. Answer *any five* questions from the following: 2×5=10
- (a) What is an epiparasite?
  - (b) Mention the difference between a parasite and a parasitoid.
  - (c) What do you mean by an accidental host? Give an example.
  - (d) What is PKDL?
  - (e) Distinguish between vector and carrier.
  - (f) What is moulting pouch? Where is it found?
  - (g) What is Zoonosis? Give an example.
  - (h) Differentiate between lymphangitis and lymphadenitis.

**Group-B**

2. Answer *any two* questions from the following: 5×2=10
- (a) What do you mean by Dum-Dum fever? Distinguish between Amastigote and Promastigote forms of *Leishmania donovani*. Comment on the clinical features of leishmaniasis. 1+2+2=5
  - (b) State the differences between Argasidae and Ixodidae parasites. 5
  - (c) Mention the sexual dimorphism in Hook worm. Briefly describe its pathogenicity. 2+3=5
  - (d) Give the scientific name of Cookie Cutter shark. Why is it called cookie cutter? Why is this shark considered as parasite? 1+1+3=5

**Group-C**

3. Answer *any two* questions from the following:

10×2=20

- (a) Describe the life cycle of *Giardia intestinalis* with suitable diagram. Briefly describe its pathogenicity, diagnosis and preventive measures. 5+2+1+2=10
- (b) With suitable sketches describe the life cycle of blood fluke. Mention the pathogenicity and diagnosis of schistosomiasis. What is swimmer's itch? 5+2+2+1=10
- (c) Delineate the biology, medical importance and control measures of *Sarcoptes*. 5+3+2=10
- (d) Describe briefly the morphology of microfilaria of *Wuchereria bancrofti*. Describe the developmental stages of microfilaria in mosquito. Mention the pathogenicity of wuchereriosis. Mention the symptoms of Loffer's Syndrome. 3+4+2+1=10
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