

(i) Printed Pages : 4]

Roll No.

(ii) Questions : 9]

Sub. Code :

0	4	5	7
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Exam. Code :

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**B.A./B.Sc. (General) 5th Semester
Examination**

1127

ZOOLOGY

**(Applied Zoology-I; Paper-II Opt. :
(i) Medical Zoology and Medical Laboratory
technology-I)**

Paper : ZOO-502A

Time : 3 Hours]

[Max. Marks : 36

Note :- Question No. 1 is compulsory. Attempt *one* question from each Unit. In all attempt *five* questions including the compulsory *one*.

1. Write notes on the following :

- (i) Types of parasites.
- (ii) Epidemic diseases.
- (iii) Illustrate two morphological forms of *Leishmania*

- (iv) Treatment for *Dracunculus medinensis* infection.
- (v) Control measures for *Pediculus*.
- (vi) Diseases caused by *Anopheles* sp.
- (vii) Differences between Rickettsiae and Spirochaetes.
- (viii) Diseases caused by *Mansonia* sp. 8×1=8

Unit-I

- 2. What are Epidemic diseases ? Explain with the help of examples. 7
- 3. Write notes on :
 - (a) Small pox 2
 - (b) Vectors 2
 - (c) Zoonosis 1.5
 - (d) Hyperparasitism 1.5

Unit-II

- 4. (a) Describe the life history of the parasite
Trypanosoma brucei gambiense.

(b) Explain the pathogenicity caused by protozoan parasite *Plasmodium*.

3.5×2=7

5. (a) Describe the life history and pathogenicity of protozoan parasite *Leishmania donovani*.

(b) Give an account of mode of infection and life cycle of *Entamoeba histolytica*.

3.5×2=7

Unit-III

6. (a) Describe the life history and pathogenesis of disease caused by *Dracunculus* sp.

(b) Give an account of the mode of infection and life history of the helminth parasite *Wuchereria*

with the help of diagram.

3.5×2=7

7. Give an account of the life cycle, mode of infection and pathogenesis of the disease caused by different species of *Schistosoma*.

7

Unit-IV

8. What are the different types of measures adopted for the control of arthropod vectors ? 7

9. (a) Give an account of the life cycle and diseases caused by *Anopheles* sp.

(b) Describe the life cycle of *Aedes* sp. and *Culex* sp. 3.5×2=7