

Total No. of Printed Pages—2

**6 SEM TDC ZOO M 1**

**2 0 1 4**

( May )

ZOOLOGY

( Major )

Course : 601

**( Parasitology and Ethology )**

Full Marks : 48

Pass Marks : 19

Time : 2 hours

*The figures in the margin indicate full marks  
for the questions*

1. (a) Mention the vectors with zoological names of the following diseases :  $1 \times 5 = 5$

Malaria; Yellow fever; Dengue;  
Haemorrhagic fever; Filariasis

- (b) Write short notes on (any two) :  $3\frac{1}{2} \times 2 = 7$

(i) Measures to control the vectors

(ii) Types of parasite

(iii) Learning

(iv) Patterns of behaviour

( 2 )

2. What is parasitism? Write about the mode of infection and pathogenicity of *Entamoeba histolytica* or *Leishmania donovani*.

2+(3½+3½)=9

3. Describe the life history and parasitic adaptation of *Taenia solium*. 6+3=9

Or

Describe the general organizations and pathogenicity of *Rickettsia* 5+4=9

4. What is ethology? Write about the genetical or ecological aspects of behaviour. 2+7=9

5. How would you define 'orientation'? Describe various kinds of orientation found in animal.

2+7=9

Or

Describe the social behaviour of insects. 9

★ ★ ★