

Total No. of Printed Pages—3

6 SEM TDC ZOO M 1

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(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) Give one line answer for each of the following questions : 1×5=5
- (i) What is vector?
 - (ii) What do you mean by parasite?
 - (iii) Name a water-borne protozoan parasite.
 - (iv) What is 'fixed action pattern'?
 - (v) Define 'orientation' behaviour.

(b) Write short notes on the following :

2+2+3=7

(i) Rickettsia

(ii) Japanese B-encephalitis

(iii) Haemorrhagic fever

2. Write an elaborate note on the parasitic adaptation with special mention to internal parasites.

5+4=9

Or

Discuss the life history, mode of infection and pathogenicity of *Plasmodium*.

4+2+3=9

3. Write explanatory notes on any two of the following :

4½×2=9

(a) Pathogenicity of bacteria

(b) Mode of infection of *Trichomonas vaginalis*

(c) Measures of controlling mosquitoes

4. How would you define ethology? Describe different patterns of behaviour.

2+7=9

Or

Write elaborately on the genetical and environmental aspects of animal behaviour.

5+4=9

(3)

5. What is communication? What are different modes of communication found in animal world? Elaborate your answer giving suitable examples. 1+8=9

Or

Mention in detail the strategies adopted by animals to defend themselves from various types of predator. 9
