(i) Printed Pages : 2

Roll No.

(ii)	Questions	:9	Sub. Code :				
			Exam. Code :	0	0	0	2

B.A./B.Sc. (General) 2nd Semester 1048

ZOOLOGY

Paper-I: Biodiversity & Ecology-I (ZOO-201)

Time Allowed : Three Hours]

[Maximum Marks: 36

- Note :- (i) Question No. 1 is compulsory.
 - (ii) In all, five questions are to be attempted including the compulsory question.

unto order and give a brue

(iii) Select any one question from each unit.

1

1. Explain the following :---

- (i) Malpighian tubules.
- (ii) Rostrum.
- (iii) Ecdyson.
- (iv) Tentorium.
- (v) Hyperparasitism.
- (vi) Ecological density.
- (vii) Bioluminescence.
- (viii) Eurythermal.

1×8

0156/LSL-39172

[Turn over

UNIT-I

2.	Describe the structure and working of the eye of cockroach.							
3.	Give an account of the social life of honey bee.							
		UNIT—II						
4.	(a) Give an account of cephalothoracic appendages of pra							
	2	Paner-4: Modizerato 2 (Johnson 1. DO201)	4					
	(b)	Describe life cycle of Anopheles.	3					
5.		Classify up to order and give a brief ecological note and economic importance of :						
	(a)	Eupagurus (Hermit crab).	3					
	(b)	Palamnaeus (Scorpion).	2					
	(c)	Limulus (King crab).	2					
		UNIT—III						
6.	Disc	cuss the influence of light on the animals in their environment.	7					
7.	(a)	Explain the concept of flow of energy in an ecosystem.	5					
	(b)	Define niche.	2					
		UNIT—IV	1					
8.	Discuss the different characteristics of population in detail and mention different ways to regulate it.							
9.	Des	Describe briefly :						
	(a)	Mimicry	3					
	(b)	Carbon cycle.	4					
015	6/1.5	1_39172 2 35	00					