| (i) | Pr | inted Pages: 2 | Roll No | ••••• |
|------|------|-------------------------------------|--|-------|
| (ii) | Qu | estions : 9 | Sub. Code : 0 1 5 | 6 |
| | | | Exam. Code : 0 0 0 | 2 |
| | | B.A./B.Sc. | (General) 2 nd Semester (2054) | |
| | | | ZOOLOGY | |
| | Par | | rsity & Ecology—I (ZOO-201) | |
| Tim | | lowed: Three H | 2654 St. 1997 St. 199 | : 36 |
| | | from each Unit. well labelled di | uestions in all, selecting ONE ques Question No. 1 is compulsory. D agrams wherever required. | |
| 1. | 2 02 | te notes on : | | |
| | (a) | Armarium | | |
| | (b) | Epipodites | | |
| | (c) | Spermathecae | | |
| | (d) | Absconding | | |
| | (e) | Food Web | | |
| | (f) | Soil horizon | | |
| | (g) | S-shaped growth | curve | |
| | (h) | Patagia. | 8 | ×1 |
| | | | UNIT—I | |
| 2. | (a) | Describe male re | eproductive system of cockroach. | 6 |
| | (b) | What is Hypoph | arynx ? | 1 |
| | | | | |

| 3. | (a) | Give an account of social organization in termites. | 3 | | |
|----|---|---|----------|--|--|
| | (b) | Classify and give ecological note and economic importation of : Lepisma (Silver fish), Gryllus (Cricket). | nce 4 | | |
| | | UNIT—II | | | |
| | | | of | | |
| 4. | (a) | Describe in detail cephalic appendages | 4 | | |
| | | Palaemon. | | | |
| | (b) | Write a note and explain with diagram of central nerv system of <i>Palaemon</i> . | ous 3 | | |
| 5. | (a) | Differentiate between life histories of Anopheles | and | | |
| ٠. | (-) | Culex mosquitoes. | 3 | | |
| | (b) | Classify and give ecological note of: | | | |
| | | Cancer (Crab), Aranea (Spider) | 4 | | |
| | | UNIT—III | | | |
| 6. | (a) | Define the food chain. Explain types of food chain tal | cing | | |
| | , | one example of each. | 5 | | |
| | (b) | Give a brief note on productivity. | 2 | | |
| 7. | (a) | Write a note on water conservation in l animals. | and 3 | | |
| | (b) | Explain the pond ecosystem. | 4 | | |
| | (0) | • | | | |
| | | UNIT—IV | c . | | |
| 8. | Explain the carbon cycle in detail. Why it is called a perfect cycle? | | | | |
| 9. | Define natatorial adaptations. Give details of these adaptations | | | | |
| | | animals. | 7 | | |
| | | | | | |