

NALANDA OPEN UNIVERSITY

Annual Examination, 2012

PART-II, PAPER-XV (Entomology)

Time : 3 Hours.

Full Marks : 80

*Answer any Five Questions. Selecting atleast two questions from each group.
All questions carry equal marks.*

GROUP 'A'

1. Give an account of internal and external genitalia in insects.
2. Give an account cuticle formation and mechanism of moulting.
3. Discuss the process of circulation of blood in insects add a note on blood cells.
4. Give an account of sound producing organs in insects.
5. Write short notes on any *Two* of the following :-
 - (a) Hermaphroditism
 - (b) Chemoreceptors
 - (c) Type of metamorphosis
 - (d) Spiracles

GROUP 'B'

6. Give an account of integrated pest management.
7. Describe the methods for estimation of pest population.
8. Give an account of life history, prevention and control of pests of stored grain.
9. Describe role of chemicals in pest management.
10. Write short notes on any *Two* of the following :-
 - (a) Migrant pests
 - (b) Juvenile hormone
 - (c) Pests of coffee
 - (d) Parasitic insects

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