M 7594

Reg. No. : ....

Name : ....

III Semester B.Sc. Degree (CCSS – Reg./Supple./Imp.)
Examination, November 2014
COMPLEMENTARY COURSE IN ZOOLOGY
3C03 ZLG : Agricultural and Forest Entomology

Time: 3 Hours   Max. Weightage : 25

Instruction : **Give illustrations wherever necessary.**

I. Answer **any two** :   **(Wt. 4 each)**

   1) Explain the life history of any two paddy pests. Give an account on their nature of destruction and control measures.

   2) Define pest. Give an account of different kind of pests with one example from each kind.

   3) Explain various classes of insecticides with examples. Add a note on their hazards and guidelines for safe use.

   4) Illustrate apiculture with special reference to modern method. Comment on its economic importance.   **(2×4=8)**

II. Answer **any four** :   **(Wt. 2 each)**

   5) Explain the control measures of pests of stored food products.

   6) Write any four adaptations of worker bee.

   7) What is insecticide residue ?

   8) Illustrate the life history of *Oryctes rhinoceros*.

   9) Enumerate the characters of class insecta.

   10) Comment on lac cultivation and its extraction.

   11) Enumerate the merits and demerits of biological control of insect pests. **(4×2=8)**

III. Answer **any seven** :   **(Weight 1 each)**

   12) What is hemimetabolous development ?

   13) Give an example for Lepidoptera.

                                                                              P.T.O.

14) Comment on stomach poisons among insecticides.

15) What is integrated pest management ?

16) Mention the damage caused by *Lyctus*.

17) What are key pests ?

18) Comment on insect repellents.

19) What are organophosphates ? Give example.

20) Mention the control measures of *Batocera rufomaculata*.

21) Define oligopod larva. Give one example.   (7×1=7)

IV. Answer the following :   (Weight 1 each)

22) a) Scientific name of rice weevil is _____

    b) An example for organochlorine compound is _____

    c) _____ is a pest of tea.

    d) _____ is a coconut pest.

V. Match the following :

23) a) DDT   – Defoliator
    b) Malathion   – Plant extract
    c) *Acrida*   – Organophosphorus
    d) Rotenoids   – Organochlorine
                               – Cutworm   (2×1=2)

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