

[(Applied Zoology) Economic Entomology and Pest Management-I]

Time Allowed : 3 Hours

Maximum Marks : 36

Note : Attempt five questions in all, selecting at least one question from each Section. Question No. 1 is compulsory.

1. Briefly explain the following :

- (a) Grub
- (b) Insect
- (c) Common name of *chilotrea infuscatellus*
- (d) Disease/s caused by *Aedes*
- (e) Systematic position of Horse fly
- (f) Habits of Termites.
- (g) Damage caused by Khapra beetle.
- (h) Maggof

1×8=8

SECTION-I

2. Write systematic position, habits, nature of damage caused, life history and control measures of pink bollworm. 7

3. Write the systematics position, habits and nature of damage caused by following insect pests :

- (a) *Pyrilla perpusila*
- (b) *Dysdercus cingulatus*
- (c) Surface grasshopper

2+2+3

SECTION-II

4. Write the systematic position, habits and nature of damage caused by insect pests of paddy crops. 7

5. Write the systematics position, habits and nature of damage caused along with life cycle and control measures of *Dacus cucurbitae*. 7

SECTION-III

6. Write the systematics position, habits and nature of damage along with life cycle and control measures of *Callosobruchus maceiletus*. 7

7. Write the systematics position, habits and nature of damage caused by :

- (i) Rice weevet
- (ii) Rice moth

3½ + 3½

SECTION-IV

8. Write the systematic position, disease caused and control measures of:

(a) *Phlebotomus minutus*

(b) *Haematopinus eurysternus*

3½ + 3½

9. Write the systematics position, disease caused and control measures along with life cycle of House fly.

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