

Roll No :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

SP-673

M.Sc. (Final) Examination, 2021

ZOOLOGY

Paper - VIII (c)

(Entomology)

Time : 1½ Hours]

[Maximum Marks : 75

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

(खण्ड-अ)

(अंक : 2 × 10 = 20)

नोट :- सभी दस प्रश्नों के उत्तर दीजिए (उत्तर-सीमा **50** शब्द)। प्रत्येक प्रश्न **2** अंक का है।

Section-B

(Marks : 5 × 5 = 25)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **5** marks.

(खण्ड-ब)

(अंक : 5 × 5 = 25)

नोट :- सभी पाँच प्रश्नों के उत्तर दीजिए। प्रत्येक प्रश्न में विकल्प का चयन कीजिए (उत्तर-सीमा **200** शब्द)। प्रत्येक प्रश्न **5** अंक का है।

Section-C

(Marks : 10 × 3 = 30)

Note :- Answer any *three* questions out of five. (Answer limit **500** words). Each question carries **10** marks.

(खण्ड-स)

(अंक : 10 × 3 = 30)

नोट :- पाँच में से किन्हीं **तीन** प्रश्नों के उत्तर दीजिए। (उत्तर-सीमा **500** शब्द)। प्रत्येक प्रश्न **10** अंक का है।

BI-314

(1)

SP-673 P.T.O.

Section–A

2 each

1. (i) Define Pest.
- (ii) What is Integrated Pest Management (IPM) ?
- (iii) What is ULV spray ?
- (iv) What are IGRs ?
- (v) What are cash crops ?
- (vi) Write scientific names of two pests of veterinary importance.
- (vii) What is grainage ?
- (viii) Name *two* insecticides of plant origin.
- (ix) Trophallaxis.
- (x) What is Economic Injury Level (EIL) ?

Section–B

5 each

2. Describe cultural control.

Or

Give an account of legal control.

3. Discuss mode of action of chlorinated hydrocarbons.

Or

Give an account of Plant Protection Organization in India.

4. Write short notes on the following :

- (i) Third generation pesticides
- (ii) Chemosterillants

Or

Discuss how insect develop resistance to various chemicals.

5. Discuss general idea of storage.

Or

Describe life-cycle of any stored grain pest.

6. Describe the various methods of application and formulation of insecticides.

Or

Write short notes on the following :

- (i) Sprayers and dusters
- (ii) Safe handling of insecticides

Section–C

10 each

- 7. Describe life-cycle, extent of damage and control measures of two major pests of crops commonly grown in your area.
- 8. How locust swarms are formed ? Discuss phase theory of locust.
- 9. Discuss social life in isoptera.
- 10. Discuss life-cycle of aphid.
- 11. Discuss dynamics in populations.