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H-7425

M.Sc. (Semester-II) Examination, 2022

FARM FORESTRY

(Sericulture, Apiculture and Lac Culture)

[Paper : ECC/CB (FOR B01)]

Time Allowed : Three Hours

Maximum Marks : 70

Minimum Passing Marks : 25

Note : Question paper is divided into four sections. Attempt question of all four sections as per given direction. Distribution of marks is given in each section.

SECTION - A

(Objective Type Questions)

Note : Attempt **any ten** questions. Each question carries **1** mark.

[10×1=10]

1 (i) Honey bee species which can not be domesticated is _____ .

(ii) _____ is the father of modern apiculture.

(iii) The mature lac is called as ____ .

(iv) Nosema disease of honey bee in caused by protozoan _____ .

(v) ____ silk is mainly produced in Assam.

(vi) The chief constituent of honey is ____ .

(vii) Eri silkworm is reared on :

(a) *Morus alba*

(b) *Ricinus communis*

(c) *Musa paradisiaca*

(d) *Shorea robusta*

(viii) The worker bee is :

(a) Drone

(b) Sterile male

(c) Sterile female

(d) None of these

(ix) One of the major insect enemy of honey bee is :

(a) *Acherontia styx*

(b) *Formicaria rufa*

(c) *Vesa cincta*

(d) *Galleria mellonella*

(x) The major predator of lac insect is :

(a) *Coccinella septempunctata*

(b) *Eublemma amabilis*

(c) *Mantis religiosa*

(d) *Chrysoperla carnea*

(xi) Which of the following species of the honey bee is not found in India?

(a) *Apis mellifera*

(b) *Apis dorsata*

(c) *Apis indica*

(d) *Apis florea*

(xii) Which of the following bees does the tail-wagging dance?

(a) Builder bees

(b) Nurse bees

(c) Scout bees

(d) Sanitary bees

SECTION - B

(Very Short Answer Type Questions)

Note : Attempt **any five** questions. Each question carries **2** marks. (Maximum word limit is **25-30** words) [5×2=10]

2. (i) Apiculture

(ii) Sericulture

(iii) Lac culture

(iv) Host

(v) Predator

(vi) Life cycle

(vii) Pests

SECTION - C

(Short Answer Type Questions)

Note : Attempt **any five** questions. Each question carries **4** marks. (Maximum word limit is **250** words) [5×4=20]

3. (i) Silkworm rearing

(ii) Importance and scope of Apiculture

(iii) Lac types and strains

(iv) Host plant for Apiculture, Sericulture and lac culture

(v) Livelihood opportunity and potential of lac culture

(vi) Pests of honey bees.

(vii) Organization of Apiculture, Sericulture and Lac Culture

SECTION - D

(Essay Type Questions)

Note : Attempt **any three** questions. Each question carries **10** marks. (More than **500** words) [10×3=30]

4. (i) Describe the importance, scope and livelihood opportunity of Sericulture in India.

(ii) Write in details about scientific bee farming and technology.

(iii) Explain the pests of Silkworm and lac insects.

(iv) Write the lac cultivation technology along with its life cycle.

OR

Throw the light Silk reeling, Spinning and management aspect.

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