

**SH-III/Zoology-305 SEC-1(T)/19**

**B.Sc. Semester III (Honours) Examination, 2018-19**

**ZOOLOGY**

**Course ID : 32615**

**Course Code : SHZOO-305 SEC-1(T)**

**Course Title : Apiculture**

**Time: 2 Hours**

**Full Marks: 40**

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

1. Answer *any five* questions: 2×5=10
    - (a) What do you mean by eusocial insect?
    - (b) Give the scientific name of the greater wax moth mentioning its harmful effect on Apiculture.
    - (c) Explain the term 'waggle dance'.
    - (d) What do you mean by pollen basket and Royal jelly?
    - (e) Write down the composition of honey.
    - (f) Mention two economic importance of honey.
    - (g) Mention the scientific names of two species of honey bees of commercial importance found in India.
    - (h) What do you mean by honey extractor?
  
  2. Answer *any four* questions: 5×4=20
    - (a) Write a short note on social organization of bee colony.
    - (b) Give an account of different types of bee diseases mentioning their causative agents. 3+2=5
    - (c) Write a short note on "Selection of Bee species for Apiculture".
    - (d) Describe different types of indigenous and modern methods of extraction of honey. 2+3=5
    - (e) Give an account of various types of bee-keeping equipments and their uses in apiculture.
    - (f) Describe the different stages of life cycle of a honey bee mentioning the role of worker bee.
    - (g) Give the brief description of Bee Pasturage.
  
  3. Answer *any one* question: 10×1=10
    - (a) Give an account of various products of apiculture industry mentioning their utility in human life. 6+4=10
    - (b) Draw a labelled diagram of a Langstroth beehive and describe different steps of artificial bee rearing in it. 6+4=10
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