

Zoology [SEC]**[NEP-CBCS]****B.Sc. First Semester End Examination-2023****PAPER-ZOO-SEC1T****[Apiculture]****Full Marks: 20****Time: 01 Hr.***The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.**Illustrate the answers wherever necessary.***Group A**

1. Answer any FIVE questions of the following: **5x2= 10**
- a) What is Swarming? **2**
 - b) Mention the names of two enemies of honey bees. **1+1**
 - c) What is propolis and its composition? **1+1**
 - d) What do you mean by super sedure? **2**
 - e) What is bee venom? State its use in human life. **1+1**
 - f) What is royal jelly? State its significance. **1+1**
 - g) What are the roles of workers in beehives? **2**
 - h) Mention the causative agents of European foul brood and Nosema disease for honey bees. **1+1**

Group B

2. Answer any TWO questions of the following: 2x5 = 10

a) Briefly describe the structural organization of the Langstroth bee hive. 5

b) Write down the names of equipment needed for bee keeping besides the beehive, and what are their role? 2+3

c) How is honey formed? State the composition and uses of honey. 2+2+1
