

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9 Sub. Code :

1	0	5	4	3
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Exam. Code :

5	0	0	2
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NEP U.G. Common-Skill Enhancement Course 2nd Semester
(2056)

ZOOLOGY

Paper—Apiculture

Time Allowed : 3 Hours]

[Maximum Marks : 45

Note :— (1) Question No. 1 is compulsory.

(2) Attempt **one** question from each unit.

1. Attempt the following:

(A) Name two species of honey bee.

(B) Define Nuptial flight.

(C) What is Bee pasturage?

(D) Name any two bee keeping tools.

(E) What is the causative organism of Nosema disease?

(F) Name two common predators of honey bee colony.

(G) Define Apientrepreneurship.

(H) Which bee product is used in cosmetics and polish industry?

(I) What is swarming? 9×1=9

UNIT-1

2. Explain in detail about the social organization of honey bee colony. 9
3. (A) Describe the life cycle of honey bee with the help of diagrams. 6
(B) Write the taxonomic classification of honey bee. 3

UNIT-2

4. Describe the structure and working of Langstroth hive. How is it better than traditional hives? 9
5. (A) Explain any two methods of honey extraction. 7
(B) How does bee pasturage affect the quality of honey? 2

UNIT-3

6. Describe in detail the bacterial, viral and fungal diseases of honey bees. 9
7. Write a note on the following :
(A) Quarantine and movement control of pests of honey bee
(B) Predators of honey bees. 4.5×2=9

UNIT-4

8. Write in detail the commercial use of major products of apiculture. 9
9. (A) What are the challenges in Apiculture entrepreneurship? 4
(B) Write a note on evolution of beekeeping industry in recent years in terms of technology and marketing. 5