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**SUBJECT CODE NO:- B-2071**  
**FACULTY OF SCIENCE & TECHNOLOGY**  
**B.Sc. T.Y. (Sem-V)**  
**Examination November/December- 2022**  
**Elective Paper**  
**Zoology Paper-XVI**  
**Animal Culture- I**

[Time: 1:30 Hours]

[Max. Marks:50]

N.B “Please check whether you have got the right question paper”

- i) Attempt all questions
- ii) Illustrate your answer with suitable labeled diagrams

Q.1 Give an account of systematic Position and distribution of 20 different Honey been. 20

**OR**

Describe in detail nesting and Communication in domesticated bees.

Q.2 Write in detail about food Plant and plant bee relations. 20

**OR**

Write short note on any four of the following

- a) Mating behavior.
- b) Bacterial diseases.
- c) Predators of bees.
- d) Poisoning in bees.
- e) Comb Construction
- f) Rainy season management

Q.3 Select and write correct answer from the given alternatives in each sub questions. 10

1. Apis dorsata refers to \_\_\_\_\_  
a) Rock bee      b) little bee      c) Indian bee      d) Europion bee.
2. Honey is \_\_\_\_  
a) Alkaline      b) Acidic      c) Neutral      d) Basic after some days
3. How does the bee carry pollen to its colony?  
a) In its abdomen      b) on its front legs      c) on its middle legs      d) on its rear legs.
4. How long does the development of a queen bee takes-----  
a) 24      b) 21      c) 16      d) 19
5. How many corners does a honey Comb cell have?  
a) 4      b) 5      c) 6      d) 8

6. In honey bee royal jelly is Secreted from -----  
a) Crop gland                      b) wax gland                      c) Salivary gland                      d) Pharyngeal gland
  
7. Nobel Prize winner for the discovery of method of inter Personal communication in Honeybees is-----  
a) Khorana                      b) Von frisch.                      c) Harvey                      d) Darwin.
  
8. Nosemosis in adult bees caused by a \_\_\_\_\_  
a) Protozoan                      b) Fungus                      c) Bacteria                      d) None.
  
9. European foulbrood is caused by  
a) Puenibacillus larvae.                      b) Melissacoccus plutoniues.                      c) Nosema apis                      d) None.
  
10. Highly toxic pesticides for honey bee are \_\_\_\_\_  
a) Sevin XLR                      b) Furadon                      c) Zectram                      d) All of above.