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Sl. No.

M.Sc. IV Semester Degree Examination, Sept./Oct. - 2024

ZOOLOGY

DSE 3 : B Applied Zoology

(NEP)

Time : 3 Hours

Maximum Marks : 70

Note : Answer **any five** of the following questions with question **No.1 compulsory**, each question carries **equal** marks.

1. Describe the classification of honeybees, focusing on the distinguishing features of *Apis* species found in India. Add a note on nesting behaviour. **14**
2. Describe the major protozoan and fungal diseases affecting silkworms, explaining their symptoms, modes of transmission and effective control measures. **14**
3. Describe the internal anatomy of oysters, focusing on the structure and function of the alimentary canal and associated organs. **14**
4. Discuss the various breeds of pigs commonly used in commercial pig farming. **14**
5. Describe the farming breeds of rabbits used in India and provide a detailed account of their care and management. **14**
6. Explain :
 - (a) History of apiculture **7**
 - (b) Global trends in silk production **7**
7. Describe :
 - (a) Process of half-round pearl culture **7**
 - (b) General management in a piggery unit **7**
8. Provide a detailed account of :
 - (a) Feeds and feed production for rabbit **5**
 - (b) Importance of apiculture **5**
 - (c) Artificial silkworm hatching **4**

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