

5m/ZOO-302 (Th) Syllabus-2023

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(Nov-Dec)

FYUP : 5th Semester Examination

MINOR

ZOOLOGY

(**Economic Zoology and Applied Zoology**)

ZOO-302

Marks : 56

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

Answer Question No. **1** and any **four** from the rest

1. Write in brief on any *four* of the following :

3×4=12

- (a) Difference between traditional and modern bee hive
- (b) Physical control of pest management
- (c) Common culturable fishes in India
- (d) Types of silkworm and their distribution
- (e) Synchronization of estrous in cattle
- (f) Oyster culture

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(Turn Over)

(2)

2. Define sericulture. Mention the common silkworms in India. Discuss the life cycle of *Bombyx mori* with diagram and explain the economic importance of silkworm. $1+2+5+3=11$
3. Define apiculture. Mention the common bee species reared in India. Write a note on the modern methods of beekeeping with the help of a suitable diagram. $1+1+7+2=11$
4. What is aquaculture? Explain its scope and significance in the Indian context. $1+5+5=11$
5. Explain the method of induced breeding in fish. What is its importance in commercial breeding of fish? $9+2=11$
6. Define pest. Describe the method and importance of integrated pest management (IPM) in modern agriculture. $1+10=11$
7. (a) Explain the steps involved in performing artificial insemination (AI) in cattle. 7
(b) Describe the key steps involved in the egg processing procedure in poultry farming. 4

(3)

8. Write short notes on any *two* of the following : $5\frac{1}{2} \times 2 = 11$

- (a) Social organization in honey bees
- (b) Composition of silk
- (c) Prawn culture in India
- (d) Poultry farming

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