

Exam. Code : 211203

Subject Code : 3885

M.Sc. Zoology 3<sup>rd</sup> Semester

APPLIED ZOOLOGY—II (Vertebrates)

Paper—ZOOC-704

Time Allowed—Three Hours] [Maximum Marks—75

SECTION—A

**Note** :—Question No. 1 is compulsory, write a short answer for the following, each carries 1.5 marks.

1. (a) Aims of fish culture
- (b) Deep litter system
- (c) IVF
- (d) Pork
- (e) Pharmaceutical agent
- (f) Effect of alkali on wool
- (g) Pasteurization of milk
- (h) Curing of skin
- (i) Important indigenous breeds of cow
- (j) Marking of pigs. 1.5×10=15

SECTION—B

**Note** :—Attempt any **FOUR** questions, selecting at least **ONE** from each unit.

UNIT—I

2. What is composite fish farming ? Give scientific names of the fish cultivated in Punjab and the factors affecting fish culture. 15

3. Write a note on the following :
- (a) Types of housing system of poultry with their plus and minus points.
- (b) Processing of meat. 10+5=15

### UNIT—II

4. Highlight the steps involved in fur production and write a note on the fur industry in India. 15
5. What is meant by curing of skin ? Write a note on the enemies of leather industry. 15

### UNIT—III

6. (a) What are the important steps for raising dairy animals ?
- (b) What is the composition of milk ? Give the products obtained from Dairy industry. 7.5×2=15
7. What are the physico-chemical properties of wool, how is it processed for dyeing ? 15

### UNIT—IV

8. (a) Write a note on the diseases of pigs.
- (b) What products and by-products do we obtain from piggery ? 7.5×2=15
9. What are vaccines, how animals are used for production of vaccines ? 15