

# DD-781

## M. Sc. (Fourth Semester) EXAMINATION, 2020

ZOOLOGY

(Group—I)

Paper First

**([Fish (Ichthyology Structure and Function)])**

*Time : Three Hours*

*Maximum Marks : 80*

**Note :** Attempt *one* question from each Unit. All questions carry equal marks. Illustrate your answers with suitable diagrams.

### Unit—I

1. Write an account on the parts of alimentary canal, its modification due to different feeding habits and digestion.

*Or*

Discuss about structural significance of skin and its derivatives.

### Unit—II

2. Write an account on Acoustico lateral line system among fishes.

*Or*

Explain excretion and osmoregulation among fishes.

**Unit—III**

3. Explain various adaptations among hillstream fishes with examples.

*Or*

Write short notes on the following :

- (a) Luminous organs
- (b) Sound producing organs

**Unit—IV**

4. Explain migration in fishes with examples.

*Or*

Write a brief note on Poisonous and Venomous fishes with examples.