

# DD-780

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

ZOOLOGY

Paper Second

(Neurophysiology)

*Time : Three Hours*

*Maximum Marks : 80*

**Note :** Question No. 1 is compulsory. *One* question from each Unit is compulsory. All questions carry equal marks. Illustrate your answers with well labelled diagrams.

1. Write short notes (**50-75** words) on the following :
  - (a) Reasons of degeneration of nerve fibres
  - (b) Names of cranial nerves of any chordate
  - (c) Structure of neural fibre
  - (d) Synapses

### Unit—I

2. Explain in detail the histology of a neuroglial cell.

*Or*

What do you understand by nerve regeneration ?  
Explain.

**Unit—II**

3. Write a note on peripheral receptor endings.

*Or*

Write short notes on the following :

- (a) Effector endings
- (b) Ascending and descending tracts of spinal cord

**Unit—III**

4. What is a cerebellum ? Explain its structure and function.

*Or*

What is meningitis ? Write about its structure and importance.

**Unit—IV**

5. Compare the Sympathetic and Parasympathetic Nervous System.

*Or*

How is hormone important in transmission through autonomic nervous system ?