

Roll No.

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.

P. T. O.

[2]

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 ?