



DN-003-1184002

Seat No. _____

M. Sc. (Sem. IV) (CBCS) (W.E.F. 2016) Examination

March – 2022

ZOOL - 420 : Zoology

(Neurobiology) (Core)

Faculty Code : 003

Subject Code : 1184002

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 Answer the following very briefly : (Any **Seven**) **2×7=14**
- (a) Function of cerebellum.
 - (b) Write the type of synapses.
 - (c) Write the name of endorphins.
 - (d) What is brain topography?
 - (e) Define epilepsy.
 - (f) Define neurophagia.
 - (g) Describe myelin sheath.
 - (h) Describe oligodendrocyte with importance.
 - (i) Write the name of neuropeptide.
 - (j) Type of glial cells.
- 2 Answer of the following : (Any **Two**) **7×2=14**
- (a) Write a note on the evolution of the brain.
 - (b) Write a short note on chemical synapses
 - (c) Give the detail account on role of Renin-Angiotensinogen system in brain
- 3 Answer the following : **7×2=14**
- (a) Write a short note on arthropod and mollusc nervous system in evolutionary aspect?
 - (b) What is synapse? Classify the various types of synapse in central and peripheral nervous system?

OR

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[Contd....

- (a) Write a short note on melatonin and its function?
- (b) Explain any two types of neuropeptides and their function.

4 Answer the following : **7×2=14**

- (a) Describe the role of CNS in hypertension.
- (b) Write a short note on depression and its control

5 Answer the following : (Any **Two**) **7×2=14**

- (a) Write a short note on histogenesis of nerve tissue.
 - (b) Write a short note on neurotransmitters and its function.
 - (c) Write a short note on physiology of memory.
 - (d) Write a short note on EEG and its application.
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