



PS-003-1184002

Seat No. _____

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

August - 2020

Zoology : Paper - 420

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) What is Perikaryon?
 - (b) Describe the role of Astrocytes.
 - (c) Write the name of Ventricles of Human Brain.
 - (d) Define Neurotransmitters.
 - (e) What is Equilibrium Potential?
 - (f) Explain Term LTM and STM.
 - (g) What is encephalitis?
 - (h) What is an Ischemia?
 - (i) Explain Anoxia.
 - (j) What is depression ?
- 2 Answer of the following : (Any Two) 7×2=14
- (a) Write a short note on melatonin.
 - (b) Describe the roles of CNS in Hypertension.
 - (c) Describe the formation of myelin sheath.
- 3 Answer the following : 7×2=14
- (a) Notes on morphology and function of various Neuroglia.
 - (b) What are endorphins and Opiate peptides? Discuss their distribution.

OR

- (a) Write a note on microglial cells.
- (b) Describe the causes of epileptic seizures in man.

4 Answer the following : **7×2=14**

- (a) Describe the physiological function of memory.
- (b) Explain the role of Renin Angiotensinogen system in brain.

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

- (a) Classify the various types of synapse in central and peripheral nervous system.
 - (b) Describe the Physiological function of Natural pain killers.
 - (c) Describe the anatomical details in human brain and their function.
 - (d) Briefly describe the epilepsy and its control.
-