



DHH-003-018402

Seat No. _____

M. Sc. Zoology (Sem. IV) (CBCS) Examination

May / June – 2015

Neurobiology : 420

Faculty Code : 003

Subject Code : 018402

Time : Hours]

[Total Marks : 70

- Q.1. Answer the following very briefly (*any seven*) 2 x 7 = 14
- | | |
|----------------------------------|---|
| (a) Define neuron | (b) Write the functions of Spinal Cord |
| (c) Describe functions of neuron | (d) What is Resting Equilibrium? |
| (e) Define Action potential | (f) Define STM |
| (g) Applications of EEG | (h) Define Opiate Peptides |
| (i) Define LTM | (j) Write the name of some pain killers |
- Q.2. Write short notes (*any two*) 7 x 2 = 14
- (a) Basic plan of nervous system in vertebrates
(b) Structure, classification and functions of neuroglia
(c) Morphology and functions of different parts of the human brain
- Q.3. Answer the following : 7 x 2 = 14
- (a) Write a short note on Myelin Sheath
(b) Describe the ultrastructure of Synapse
- OR**
- Q.3. Answer the following : 7 x 2 = 14
- (a) Write a short note on Epilepsy and its control
(b) Write a short note on pain killers and their functions
- Q.4. Answer the following: 7 x 2 = 14
- (a) Write a short note on Depression
(b) Write a short note on the role of CNS in Hypertension
- Q.5. Answer the following (*any two*) : 7 x 2 = 14
- (a) Briefly describe the structure and functions of Melatonin
(b) Briefly describe the energy metabolism in brain
(c) Write a short note on the brain topography and its applications
(d) Write a note on neurotransmitters