

- 3** Answer the following **7×2=14**
- (a) Describe the characteristics of Neurotransmitters.
 - (b) Describe the ultra-microscopic structure of Synapse with labeled illustration.

OR

- 3** Answer the following **7×2=14**
- (a) Write notes on functions of myelin sheath.
 - (b) Discuss the measuring of action potential.

- 4** Answer the following **7x2=14**
- (a) Briefly describe the Epilepsy and its control.
 - (b) Describe the physiological functions of Memory.

- 5** Answer the following (any two) **7x2=14**
- (a) Describe the nervous system in Arthropoda with evolutionary aspects.
 - (b) Give a detailed account of EEG and its application.
 - (c) Explain the role of Renin-Angiotensinogen system in brain.
 - (d) Discuss depression along with its diagnosis criteria.
