

Synovium

Shahjalal University of Science & Technology, Sylhet

Department of Biochemistry and Molecular Biology

4th Year 2nd Semester (Session 2010-2011)

Course No. : **BMB 431** Course Title: **Neurobiochemistry**

Term Test-2 (21.06.2015) Marks: 15 Time: 1 Hours

1. What is synaptic vesicle? Demonstrate the recycling of synaptic vesicle. 3.0
2. Define neurotransmitter with example. What are the criteria of neurotransmitter? 3.0
3. Show the synthetic pathway of Serotonin and Dopamine. 3.0
4. Fill in the blanks with word/s: 6.0
 - a. SNARE complex formed by synaptobrevin, and
 - b. Tetanus toxin and toxin specifically cleave the vesicle SNARE protein,
 - c. LEMS attacks presynapticchannel.
 - d. Peptides neurotransmitter synthesized asin the ER and transported tofor packaging into vesicles.
 - e. Small-molecule neurotransmitters and peptide neurotransmitters are transported to the nerve terminal cytoplasm by a mechanism calledand
 - f. Metabotropic receptors monomeric proteins with..... transmembrane domains.