

**Department of Biochemistry and Molecular Biology**  
**Shahjalal University of Science and Technology**  
**Course Title: Enzymology-II (BMB 224)**

1. Explain the following terms with graph  $2 \times 4 = 8$   
(a) Positive cooperativity, (b) Negative cooperativity, (c) K enzyme (d) M enzyme
2. What is isozyme? Write down characteristics and biological importance of different isozymes  
Lactate dehydrogenase. 4
3. How glycogen phosphorylase enzyme catalyzes the breakdown of storage polysaccharide  
glycogen? 3