

Department of Biochemistry and Molecular Biology
Shahjalal University of Science and Technology
Course Title: Enzymology (BMB-221)

1. Define substrate, cofactor, prosthetic group, apoenzyme, holoenzyme, and coenzyme. $0.5 \times 6 = 3$
2. List the key features of the active sites of enzyme. 1
3. Where does the energy come from for the lowering of the activation energies for specific enzyme catalyzed reaction? 2
4. How P^H , temperature and enzyme concentration affect reaction rate in enzyme catalyzed reaction? 3
5. Enzymes are versatile biological catalysts, justify this statement. 1