

Shahjalal University of Science & Technology, Sylhet

Department of Biochemistry & Molecular Biology

BMB221: Metabolism-I (08/07/2012)

Time- 50 minute Marks-20

1. Write down the component of pyruvate dehydrogenase complex with their structure. 4.0
2. Write down the mechanism of acetyl-CoA formation by pyruvate dehydrogenase multienzyme complex. 4.0
3. What are anaplerotic reactions? 3.0
4. TCA cycle is the metabolic hub- Explain. 5.0
5. Write down the biochemical correlation of the followings: 4.0
 - (i) Fumarase deficiency.
 - (ii) Pyruvate dehydrogenase deficiency.