

11.12.11

Term Test 02  
Bioorganic Chemistry-II  
Course No: - BMB 127  
1<sup>st</sup> year 2<sup>nd</sup> semester  
Department of Biochemistry & Molecular Biology  
Shahjalal University of Science & Technology

Total Marks 20

1. Describe the preparation of ketone by Friedel-Crafts acylation. 5
2. Explain why aldehydes undergo nucleophilic addition more readily than ketone? 3
3. Briefly describe following reactions 5+5
  - i. Claisen and Crossed Claisen Condensation
  - ii. Benzoin Condensation
4. Which of the following compounds will give Iodoform test? 2
  - i.  $\text{CH}_3\text{CH}_2\text{OH}$
  - ii.  $\text{C}_6\text{H}_5\text{CHOHCH}_3$
  - iii.  $\text{CH}_3\text{CH}_2\text{CHOHCH}_2\text{CH}_3$
  - iv.  $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$