

ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD
(Department of Agricultural Sciences)

WARNING

1. **PLAGIARISM OR HIRING OF GHOST WRITER(S) FOR SOLVING THE ASSIGNMENT(S) WILL DEBAR THE STUDENT FROM AWARD OF DEGREE/CERTIFICATE, IF FOUND AT ANY STAGE.**
2. **SUBMITTING ASSIGNMENTS BORROWED OR STOLEN FROM OTHER(S) AS ONE'S OWN WILL BE PENALIZED AS DEFINED IN "AIOU PLAGIARISM POLICY".**

Course: Biochemistry (780)

Semester: Spring, 2014

Level: M.Sc. (Hons) Livestock Management

Total Marks: 100

Pass Marks: 50

ASSIGNMENT No. 1

- Q.1 Discuss in detail the role and structure of plasma proteins and lipid in plasma membranes. (20)
- Q.2 Write the mechanism of enzyme reaction and its nature. (20)
- Q.3 What are the main reactions of carbohydrate? Explain with structural formula. (20)
- Q.4 Explain Krebs cycle with the help of diagram. (20)
- Q.5 Discuss the role of all blood proteins in detail. (20)

ASSIGNMENT No. 2

Total Marks: 100

Pass Marks: 50

- Q.1 What do you know about the components of protein synthesis? (20)
- Q.2 Write in detail the biosynthesis of fatty acids with help of structures. (20)
- Q.3 Describe occurrence, physiological role, deficiency disorders and detection methods of Vit-A. (20)
- Q.4 Discuss digestion and absorption process of Carbohydrates. (20)
- Q.5 Discuss latest developments of genome project in case of animals. (20)