

Course Code: BCH 403

Course Title: Biosynthesis of Macromolecules

Time Allowed: 2 hours

Instruction: Answer any four questions

Date: 22/02/2017

1. What is meant by the term macromolecules? Hence or otherwise explain their importance.
2. Lipids have found great importance in maintenance of membrane structure, Explain. Hence or otherwise, highlight how phosphatidylserine is synthesized.
3. Write comprehensive notes on the biosynthesis of peptidoglycan.
4. Compare and contrast the biosynthetic pathway for starch and glycogen.
5. Highlight in detail, how cholesterol is being synthesized in human body. Hence or otherwise, enumerate some biochemical importance of cholesterol.
6. Explain in detail, how Adenosine is synthesized in a named animal.