

OLABISI ONABANJO UNIVERSITY, AGO-IWOYE.

DEPARTMENT OF BIOCHEMISTRY, REIMO CAMPUS

2013/2014 HARMATTAN SEMESTER EXAMINATIONS

BCH 403: BIOSYNTHESIS OF MACROMOLECULES (2 UNITS)

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS. TIME ALLOWED: 2 HOURS. DATE: November 4 2014

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