

OLABISI ONABANJO UNIVERSITY, AGO-IWOYE.

DEPARTMENT OF BIOCHEMISTRY, REMO CAMPUS

2014/2015 HARMATTAN SEMESTER EXAMINATIONS

BCH 403: BIOSYNTHESIS OF MACROMOLECULES (2 UNITS)

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS. TIME ALLOWED: 2 HOURS.

1. Write comprehensive notes on the biosynthesis of peptidoglycan.
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. ^{phosphorylation} Explain in detail, how Adenosine is synthesized in a named animal.
5. Lipids have found great importance in maintenance of membrane structure, Explain. Hence or otherwise, highlight how phosphatidylcholine is synthesized.
6. What are macromolecules? Discuss in detail, the functions of macromolecules.

Diastrophically physico
Grav -
ferousyl
Squar lens
Squ
Lens