

OLABISI ONABANJO UNIVERSITY
DEPARTMENT OF BIOCHEMISTRY
REMO CAMPUS, IKENNE

2010/2011 HARMATTAN SEMESTER EXAMINATION

COURSE TITLE: METABOLISM OF LIPID TIME ALLOWED: 2 HOURS

COURSE CODE: BCH 303

DATE: JULY 5, 2011

INSTRUCTION: ANSWER FOUR (4) QUESTIONS

1. a) Write concise notes on the biological importance of lipid.
b) Discuss the influence of dietary fats on phospholipids in the body.
2. a) Describe the biosynthetic pathway of sphingosine-based lipids
b) Discuss the regulation of Hydroxymethylglutaryl-CoA Reductase
3. With the aid of pathway only describe the synthesis of cholesterol.
4. a) Write concise notes on the individual properties of Lipoproteins.
b) Obesity is a major disorder in clinical nutrition, Discuss?
5. Acetate is a central precursor for the biosynthesis of lipids. Discuss and give relevant examples