

OLABISI ONABANJO UNIVERSITY
DEPARTMENT OF BIOCHEMISTRY
REMO CAMPUS, IKENNE

2016/2017 RAIN SEMESTER EXAMINATION

Course: BCH 308

Course Title: Bioenergetics

Time Allowed: 1 hour

Date: 7 July 2017

Instruction: Answer any two (2) questions in the Booklet provided

1. Write short notes on the following:
 - i. Endergonic process
 - ii. Exergonic process
 - ii. Energy transducers
 - iv. Gibbs free energy change
2. (a) What are phosphagens? Give one example
(b) List three (3) major sources of high-energy phosphates
3. (a) Explain "energy coupling" using the reaction of glucose
(b) Give the standard free energy of hydrolysis of the following compounds:
 - i. Phosphoenolpyruvate
 - ii. Glycerol 3-phosphate