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FACULTY OF BASIC MEDICAL SCIENCES
BIOCHEMISTRY DEPARTMENT

2018/2019 HARMATTAN SEMESTER EXAMINATION

Course Code: BCH 401

Time: 2 hours 30 minutes

Course Title: Advanced Enzymology

Instruction: Answer five questions in all. Answer Section A and B in separate booklets.

SECTION A

1 (a). Define regulatory enzymes ✓

(b). List the four major classes of regulatory enzymes and briefly describe any one of them. ✓

2. Write short note on the two models of allosterism ✓

3(a). What are multi-enzyme complex? → A specific arrangement of more than one enzyme that catalyzes an enzymatic process sequentially

(b). List five multi-enzyme complexes and the number of enzyme present in each case

4 (a). Briefly describe what enzyme assay is. ✓

(b). List three methods used in enzyme assay

(c). How do you know your enzyme is pure during purification processes. ✓

SECTION B

5(a) Define Transient state

(b) Explain the (i) Continuous flow and

(ii) Stopped flow methods of measuring the Transient State Kinetics.

6. Explain the Chemical basis of enzyme kinetics

