

DEPARTMENT OF BIOCHEMISTRY
FACULTY OF BASIC MEDICAL SCIENCES
OLABISI ONABANJO UNIVERSITY
REMO CAMPUS, IKENNE

B.Sc Biochemistry Examination 2014/15 Session

Course code: BCH 422 Course Title: Industrial Biochemistry

Part II: Essay

Instruction: Answer any two questions Time Allowed: 1 hr

1. Trace the course of a given pure culture inoculum engaged in batch culture fermentation and explain the biochemical activities that might be going on during each phase of the growth.
2. With the aid of an annotated diagram of a standard bioreactor, explain the features you will consider in the design of a bioreactor.

Describe the operations involved in the production of high fructose corn syrup (HFCS)

Handwritten notes at the bottom of the page include:
- "lack of hygiene" (with "phase 1 phase 2" written above it)
- "steep"
- "stators of an" (with "is it the ph" written above it)
- "Observe"
- A circled number "10"
- A circled number "3"
- A circled letter "F"