

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

2012/2013 HARMATTAN SEMESTER EXAMINATIONS

BCH 409: GENETIC ENGINEERING (2 UNITS)

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

1. Discuss Polymerase Chain Reaction procedures and its applications.
2. Explain the processes of identifying specific DNA sequence by Southern Blotting.
3. Explain the following terms in detail: (i) Genetic Engineering
(ii) Denaturation
(iii) Renaturation
(iv) Cloning.
4. Write comprehensive notes on Plasmids and their usefulness.
5. Discuss the concepts of (i) Northern Blotting
(ii) Human Genome Project.
6. Write comprehensive notes on the structure, properties and applications of DNA in genetic engineering.

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