



**ELIZADE UNIVERSITY, ILARA-MOKIN,
ONDO STATE, NIGERIA**

BASIC & APPLIED SCIENCES

BIOLOGICAL SCIENCES

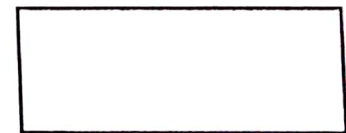
SECOND SEMESTER EXAMINATION

2018/2019 ACADEMIC SESSION

COURSE CODE: BTH 406

COURSE TITLE: FORENSIC BIOLOGY

DURATION: 2 HOURS



HOD's SIGNATURE

NAME:.....MAT. No:.....

INSTRUCTION:

ANSWER FOUR QUESTIONS ONLY.

QUESTIONS

1.
 - a) Explain the significance of Luminol in the detection of samples at crime scenes.
 - b) List and explain the types of evidence collection priority at crime scenes.
 - b) Enumerate the challenges of collecting and retrieving samples from crime scenes.

2.
 - a) Why is Cytochrome Oxidase Subunit I (COI) gene important for barcoding animals?
 - b) What is the contribution of DNA Fingerprinting in Crime investigation?
 - c) Outline the ethical issues of DNA Fingerprinting in Forensic investigations

3.
 - a) What are the major advantages of Short Tandem Repeats markers?
 - b) Describe the processed in rapid DNA and Short Tandem Repeats analysis.
 - c) How can you carry out Mitochondrial DNA (mtDNA) sequencing?

4.
 - a) What Combine DNA Index System (CODIS)?
 - b) Explain the pitfalls of CODIS.
 - c) How can CODIS help in solving crime cases?

5.
 - a) Outline and explain the procedure for gel electrophoreses.
 - b) Discuss the application of Forensic Science.
 - c) What is a restriction enzyme?