

BMS

OLABISI ONABANJO UNIVERSITY  
DEPARTMENT OF BIOCHEMISTRY  
REMO CAMPUS, IKENNE  
2017/2018 HARMATTAN SEMESTER EXAMINATIONS

COURSE CODE: BCH 311

TIME ALLOWED: 2 Hours

COURSE TITLE: MICROBIAL & GENETICS BIOCHEMISTRY

DATE: 9/02/2018

Instruction: Answer all the questions

1. Define genetic recombination
  - I. List 3 types of bacterial genetic recombination seen in nature.
  - II. Briefly describe the mechanisms for transformation in bacteria.
2. Explain the process of DNA replication in prokaryotic organisms
  - I. List the types of DNA polymerase found in prokaryotes and their functions
3. Write short notes on the following
  - I. DNA repair
  - II. Base excision repair
  - III. Nucleotide excision repair
  - IV. SOS repair
4. What is Mutation?
  - I. What are the factors that causes mutation in cell
  - II. Write short notes on the following
    - a. Point mutation
    - b. Frameshift mutation
    - c. Mis-sense mutation

Spontaneously  
in hypoxanthine  
uracil  
Mycoplasma if normal  
N-gly

If a mistake is full