



COURSE CODE: EHS308
COURSE TITLE: BIOTECHNOLOGY
COURSE UNITS: 2 CREDIT UNITS
TIME ALLOWED: 1 ½ HOURS
TOTAL SCORE: 70 MARKS
INSTRUCTION: ANSWER ALL QUESTIONS

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| 1 | (a) Write short notes of the following classifications of Biotechnology | |
| | (i) Ancient biotechnology | 5 marks |
| | (ii) Classical biotechnology | 5 marks |
| | (iii) Modern biotechnology | 5 marks |
| | (b) With specific examples define Bio-remediation | 5 marks |
| | (c) Highlight any five (5) Ethical and moral concerns of biotechnology | 5 Marks |
| 2 | (a) Discuss Environmental monitoring | 5 marks |
| | (b) Write short notes on classification of wastes | 10 marks |
| | (c) List the sources of waste | 5 marks |
| 3 | (a) Differentiate between Cell therapy and Genetic engineering | 10 marks |
| | (b) Write short notes on any three (3) of the following traditional waste management methods | 9 marks |
| | i. Indiscriminate disposal and open burning | |
| | ii. Composting | |
| | iii. Sanitary landfill | |
| | iv. Incineration | |
| | (c) Highlight four (4) disadvantages of microbial insecticides | 6 marks |