

BINDURA UNIVERSITY OF SCIENCE EDUCATION  
BIOLOGICAL SCIENCES DEPARTMENT  
BScBZH/HBScBioTec  
BTEC223 Ethics, Safety, and Intellectual Property in Biotechnology/  
BTEC128 Biotechnology Regulation and Biosafety

EXAMINATION  
2 HOURS (100 MARKS)

MAR 2024

**INSTRUCTIONS**

Answer FOUR questions. You MUST answer QUESTION 1 (Section A) and any THREE questions from Section B. Each question carries 25 MARKS. Where a question contains subdivisions, the mark value of each subdivision is given in brackets. Illustrate your answers, where appropriate, with large, clearly labelled diagrams. You should not spend more than thirty minutes on each question.

**SECTION A (COMPULSORY)**

1. Explain the importance of food labelling to human health.

**SECTION B**

2. Discuss the significance of biosecurity in biological technologies.
3. Describe any FIVE Intellectual Property rights (IPRs).
4. Describe the major objectives of The International Treaty for Plant Genetic Resources for Food and Agriculture.
5. Outline the role of the Biotechnology Board of Zimbabwe.
6. Discuss the importance of ethical consideration in uptake of biotechnologies in Africa.

**END OF EXAMINATION QUESTION PAPER**