



12 BIOLOGY

Trial Examination Assessment Task 2025

| | | | |
|---|--|--------------------------|---|
| TOPIC: Module 5, 6 & 7 | MARKS: /100 | | |
| SUBMISSION REQUIREMENTS: As per Trial timetable | <table><tr><td>WEIGHTING: 30%</td><td>COMPONENTS: 20% K&U 10% Skills</td></tr></table> | WEIGHTING: 30% | COMPONENTS: 20% K&U 10% Skills |
| WEIGHTING: 30% | COMPONENTS: 20% K&U 10% Skills | | |

TASK DESCRIPTION:

Students are to complete a written examination based on Module 5 (Heredity), Module 6 (Genetic Change), Module 7 (Infectious Diseases). The examination will be set out as follows:

Duration: 3 hours

Total marks: 100

Examination consists of the following components:

- 20 multiple choice questions (20 marks)
- Short and extended responses (80 marks)

Students will answer questions as instructed on the examination paper on either the answer sheets or booklets that will be provided.

OUTCOMES TO BE ASSESSED:

BIO12-6 Solves scientific problems using primary and secondary data, critical thinking skills and scientific processes.

BIO12-12 Explains the structures of DNA and analyses the mechanisms of inheritance and how processes of reproduction ensure continuity of species.

BIO12-13 Explains natural genetic change and the use of genetic technologies to induce genetic change.

BIO12-14 Analyses infectious disease in terms of cause, transmission, management and the organism's response, including the human immune system.

DIRECTIONAL VERBS:

Analyse: Identify components and the relationship between them; draw out and relate implications

Explain: Relate cause and effect; make the relationships between things evident; provide why and/or how.

Solve: Find an answer to, explanation for, or means of effectively dealing with a problem.

ASSESSMENT CRITERIA:

Students are encouraged to complete regular revision in the lead up to this assessment task. This includes annotating the HSC study notes provided to them on CANVAS and utilising these notes to complete HSC style questions that are readily available to them both in class and on CANVAS. Further to this the NSW NESA website has all past papers and marking criteria available for the students to utilise.

The marking criteria will be supplied to students on the return of their examination paper. All marking will adhere to the strict marking criteria with each question marked by a specific teacher.