



## Coonabarabran High School Assessment Notification

**Subject:** Year 12 Biology

**Date of Notification:** 24/11/20

**Assessment task 1:** Topic Test

**Date:** Period 5, Monday 14<sup>th</sup> December, 2020

**Weighting:** 20%

**Teacher:** K Christoff

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### Outcomes to be assessed

This assessment task will allow you to show evidence of having achieved the following course outcomes:

#### A student:

- › selects and processes appropriate qualitative and quantitative data and information using a range of appropriate media BIO11/12-4
  - › analyses and evaluates primary and secondary data and information BIO11/12-5
  - › solves scientific problems using primary and secondary data, critical thinking skills and scientific processes BIO11/12-6
  - › communicates scientific understanding using suitable language and terminology for a specific audience or purpose BIO11/12-7
  - › explains the structures of DNA and analyses the mechanisms of inheritance and how processes of reproduction ensure continuity of species BIO12-12
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### Task 1 – Topic Test

#### Topic: Module 5 – Heredity

In this test you will carry out a combination of **practical and theoretical tasks** that will assess your **skills and knowledge** developed during Module 5.

This may include tasks such as:

- Dissecting, drawing and labelling a flower
- Identify, describing, comparing different asexual reproductive methods
- Describing mammalian reproduction, including the role of hormones
- Assessing the application of biological knowledge to the manipulation of reproduction in Agriculture
- Evaluating models (eg. Mitosis, DNA replication, Polypeptide synthesis, Prokaryotic and Eukaryotic DNA, Polypeptide synthesis, protein structure)
- Identify and describe stages of mitosis and/or meiosis
- Using pedigrees and Punnett squares to solve genetic problems
- Following a procedure to carry out an investigation
- Reading a section of text and using your knowledge to answer questions
- Sequencing events in a process eg. mitosis, meiosis, human reproduction

#### Equipment required

Ruler, lead pencil, black pen, pencil sharpener, eraser, calculator

#### Test structure

You will have 5 minutes reading time which will include checking you have all the required equipment for the practical activities and 45 minutes working time.

There will be a variety of question types including multiple choice, short answer and extended responses.