*BANGOR UNIVERSITY*

ENTRANCE SCHOLARSHIP EXAMINATION

**2020**

**BIOLOGY**

# Time allowed: 2 hours

**Answer TWO questions (please write each answer in a SEPARATE answer book).**

1. Describe the cause, effects and prevention of a human disease of your choice.
2. Write an essay on genetic variation and speciation.

1. Describe the main features of the respiration system in the body.
2. Why is the nitrogen cycle important?
3. Describe how the structure of the plasma membrane enables the passage of substances in and out of animal cells.
4. Write an essay on how plants respond to external stimuli.
5. Why is biodiversity so important and worthy of protection?
6. Explain how energy flows through ecosystems.