

United International University

School of Science and Engineering

Class Test 1; Year 2021; Semester: Summer



Course: BIO 3105; Title: Biology for Engineers, Section: C

Upload instruction: RENAME pdf file as "Bio3105_C_ID"

- 1 Suppose there is a bush fire going on near the suburb Campbelltown. How corella will response to the extreme heat? Please give an example of their energy processing feature in such days. 6
- 2 How you would differentiate "organ-on-a-chip" and "tissue engineering" as both of these techniques are used to give you new organs? 6
- 3
 - (a) Show Lewis diagram for C_3H_8 and NH_4OH .
 - (b) Sketch bonding structure of glucose.
 - (c) Show H-bond inside human (any basic structure would be sufficient). 4+2+2