

United International University

School of Science and Engineering

Class Test 3; Year 2022; Semester: Spring

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



Class Serial: ; Name: ; ID:

1. Show the pictorial view of the differences between denaturation and extension in PCR. 4 CO1

2. Name the goods you would like to protect against biopiracy that is native to Bangladesh (Naming 5 would be sufficient). 2 CO1

3. Do you think you have scope to give your input as a computer engineer in molecular diagnosis for a project? Give details. 5 CO3

4. Name the applications of rDNA in the agriculture and explain one of them briefly.

4 CO1

5. Suppose you have a primer sequence GCATTA. In PCR you have a fragment of DNA with 25 spaces for bases which will repeat itself after every six sequences. If the above mentioned primer fits on the right hand side of your desired DNA strand, show the whole DNA strand before and show the whole picture after elongation process.

5 CO3

