



'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 4th Semester Examination, 2022

CC8-MICROBIOLOGY (CC-8.1) (INSTRUCTION)

MICROBIAL GENETICS

Time Allotted: 4 Hours

Full Marks: 20

INSTRUCTION TO THE EXAMINERS (NOT FOR STUDENTS)

1. Provide overnight *E. coli* cultures (2ml each) to the students. Tips, eppendorf tubes (sterile) and reagents should be provided. EtBr, 1% Agarose gel with atleast one well per student should be provided.

High Copy number plasmid should be provided. (Reagents for Alkaline lysis method ALS 1, 2, 3, phenol, chloroform, Alcohol, TAE buffer, etc.)

2. Gel photograph showing cleanly the 3 different conformations of plasmids should be provided.

The 3 different conformations should be labelled A, B and C so that students can identify and label accordingly in their copy.

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