



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 2nd Semester Examination, 2022

GE1-P2-MICROBIOLOGY (GE-3.1 & 4.1) (PRACTICAL)

Time Allotted: 4 Hours

Full Marks: 20

The figures in the margin indicate full marks.

The Question paper contains PAPER-3.1 & PAPER-4.1. The Candidates are required to answer any *one* from the *two* papers. Candidates should mention it clearly on the Answer Book.

PAPER-3.1

BACTERIOLOGY AND VIROLOGY

1. Perform a differential staining using the supplied bacterial sample A to determine its gram nature and comment on your result with proper diagram. 7
2. State the morphological structures and important characters from electron micrograph of sample B (Virus). 3
3. Isolate pure culture from the supplied sample C using Streak Plate method. 4
4. Laboratory records 2
5. Viva-voce 4

PAPER-4.1

MEDICAL MICROBIOLOGY AND IMMUNOLOGY

Answer the following

1. Perform IMViC test with the supplied bacterial sample A, record your observation and comment on the result. 10
2. Find out the blood group and Rh factor of the human blood sample B. 4
3. Laboratory records 2
4. Viva-voce 4

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