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( July )

BIOTECHNOLOGY

( Honours )

( Molecular Biology and Immunology )

( Practical–IV )

Marks : 19

Time : 6 hours

*The figures in the margin indicate full marks  
for the questions*

1. Perform any *one* of the following experiments assigned to you and report the results and inferences :

(a) Perform agarose gel electrophoresis of the DNA provided to you.

*Distribution of marks :*

- |   |   |
|---|---|
| (i) Principle                             | 2 |
| (ii) Execution of experiment              | 3 |
| (iii) Observation, results and discussion | 2 |

*Or*

- (b) Identify the different leucocytes in the blood sample provided to you.

*Distribution of marks :*

- |   |   |
|---|---|
| (i) Principle                             | 2 |
| (ii) Execution of experiment              | 3 |
| (iii) Observation, results and discussion | 2 |

- |   |   |
|---|---|
| 2. Interpret the result obtained in the ODD experiment. | 5 |
| 3. Viva voce.   | 5 |
| 4. Practical record.                                    | 2 |

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