

**MAHATMA GANDHI UNIVERSITY,
SECOND SEMESTER MGU-UGP (HONOURS) REGULAR PRACTICAL EXAMINATION,
BSc (Hons) BOTANY AND BIOTECHNOLOGY (DOUBLE MAIN)
MG2DSCBBT101- APPLIED BIOTECHNOLOGY**

Practical Examination- Model Question Paper

Time: 3 Hours

Max marks: 35

1. **Major experiment.** **15 Marks (CO 5)**
 - a) Prepare standard solution of the given sample and verify it using titration/ colorimetry

2. **Minor experiment 10 Marks (CO 5)**
 - a). Write the preparation ofbuffer and verify its pH value. - 5 marks
 - b). Calculations on unit conversions. (Molarity /Molality/Normality)- 5 marks

3. **Viva -Voce.** **- 5 Marks(CO 5)**

4. **Record.** **- 5 Marks(CO 5)**

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SECOND SEMESTER MGU-UGP (HONOURS) REGULAR PRACTICAL EXAMINATION,
BSc (Hons) BOTANY AND BIOTECHNOLOGY (Double Main)
MG2MDCBTG100- TOOLS AND TECHNIQUES IN BIOTECHNOLOGY**

Practical Examination- Model Question Paper

Time: (2 Hours)

Total Marks: 35

1. Major Experiment

(15 marks) (CO5)

- a) Qualitative estimation of protein/ Quantitative estimation of DNA/RNA-10 marks
- b) Load the given sample in Agarose Gel - 5 marks

2, Minor Experiment

(10 marks) (CO5)

- a) Write down the procedure of Agarose gel electrophoresis. - 5 marks
- b) Retrieve any DNA sequence in FASTA format from Genbank -5 marks

3. Viva voce

(5 Marks) (CO5)

4. Record

(5 marks) (CO5)

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BSc (Hons) BIOTECHNOLOGY**

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