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 sampleand verify it using titration/ colorimetry

2. **Minor experiment 10 Marks (CO 5)**

   a). Write the preparation of ……buffer 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)

MG2MDCBBT101- 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)**