

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

MGU-UGP (HONOURS)

FIRST SEMESTER PRACTICAL EXAMINATION

(2024 ADMISSION ONWARDS)

MG1MDCBIF100 – Bioinformatics for Beginners

Duration: 2 hrs

Maximum Marks: 35

Major Experiment

1. Identify the sequence of an organism using NCBI or EMBL or SWISS PROT. (U)(CO5)

Performance 5

Procedure 5

Result 5

[15 marks]

Minor Experiments

2. Demonstrate pairwise sequence alignment using BLAST or FASTA. (U)(CO6)

3. Identify the structure of a protein from PDB. (U)(CO5)

[5 marks]

4. Record

[5 marks]

5. Vivavoce

- [5 marks]

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MGU-UGP (HONOURS)

FIRST SEMESTER PRACTICAL EXAMINATION

(2024 ADMISSION ONWARDS)

MG1DSCBIF100 – Fundamental IT for Bioinformatics

Duration: 2 hrs

Maximum Marks: 35

Major Experiment

1. Perform any one of the following using the given data:

Grade calculation/ graph of your choice/ summation/ data sorting

Performance: 5

Result: 5

(U)(CO1)

[10 marks]

Minor Experiments

2. Duplicate a word document on the topic of your choice having interesting features of word processor

(U)(CO1)

3. Identity the gene sequence of any protein of your choice using Genbank?

(U)(CO5)

4. Demonstrate the details of a drug molecule using drugbank?

(U)(CO5)

[5 marks]

4. Record

[5 marks]

5. Vivavoce

- [5 marks]