Roll No.

DD-801

M. Sc. (Fourth Semester) EXAMINATION, 2020

BIOTECHNOLOGY

Paper First

(Basic Concept of Bioinformatics and Nanobiotechnology)

Time : Three Hours Maximum Marks : 80

Note : All questions are compulsory and carry equal marks.

- 1. Write short notes on the following :
 - (a) Scope of bioinformatics
 - (b) Biological database
 - (c) Microarray technology
 - (d) Application of Nanobiotechnology

Unit—I

2. Describe the relationship between Biotechnology and Bioinformatics in detail.

Or

Write short notes on the following :

- (a) BTIS network in India
- (b) Application of Bioinformatics

https://universitynews.in/

Unit—II

3. Explain the types of sequences present in biological databases.

Or

Write short notes on the following :

- (a) Gene Bank
- (b) ESTs

Unit—III

4. Give an account description on chemoinformatics and ONS pharmacogenomics.

Or

Write short notes on the following

- (a) BLAST
- (b) Human Genome Project

• Unit—IV

Discuss the role of nanobiotechnology in medical field. 5.

Or

Write short notes on the following :

- (a) Nanoscale
- (b) Nanobacteria

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