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35004

M.Sc. (NEP 2020) EXAMINATION, 2025

(Second Semester)

BIOTECHNOLOGY

M24-BTY-204

Bioinformatics

Time: 3 Hours] [Maximum Marks: 70

Before answering the question-paper, candidates must ensure that they have been supplied with correct and complete question-paper. No complaint, in this regard will be entertained after the examination.

Note: Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

1.	Writ (i) (ii) (iii)	te short notes on the following: 7> Biological databases BLAST Multiple sequence alignment	<2=14	5. Di (a) (b) (c)	GenBank and PIR 4
	(iv) (v) (vi) (vii)	BLOSUM Logical operators Dot matrix plots EMBL.		6. W (a) (b)	,
2.	(a)	Unit I Discuss the computer programmin			rite a detailed note on sequence comparison ethods and molecular phylogeny. 14
3.		generations. Write about the MS office and its v tools. te about computer languages C, JAV	7 A and	8. Di (a) (b)	,
4.	_	Unit II lain the classification and featur ogical databases with examples.			explain the BLAST and its types along with PSI LAST and RPS BLAST. 14
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