

Third Semester M. Sc. (Part - II) Examination
(CBCS Pattern)

BOTANY

Paper - XI

Bioinformatics - I (Elective)

P. Pages : 3

Time : Three Hours]

[Max. Marks : 80

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- Note :** (1) All questions are compulsory and carry equal marks.
(2) Illustrate your answer with well labeled diagrams and with examples.

1. Give elaborated account on input and output devices used for computers.

OR

Give an illustrated account on VISTA and LINUX operating system. 16

2. Write on :—

- | | |
|-----------------------------|---|
| (a) Data Communication. | 5 |
| (b) Search Engines. | 5 |
| (c) Hierarchial data model. | 6 |

OR

- (d) Links. 5
 (e) World wide web. 5
 (f) Use of computers in bioinformatics. 6

3. Write on :—

- (g) ExPASY. 5
 (h) RDBMS. 5
 (i) Non relational databases. 6

OR

- (j) DBMS. 5
 (k) Primary databases. 5
 (l) Significance of databases in bioinformatics. 6

4. Write on :—

- (m) SRS. 5
 (n) SCOP. 5
 (o) Genome databases. 6

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2

OR

- (p) GSS. 5
 (q) Significance of protein databases. 5
 (r) Uni Port. 6

5. Give an elaborated account on tools used for sequence analysis.

OR

Give an account on any two scoring matrices used in bioinformatics. 16



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3

330