

20. (a) Explain DNA Microarray multiplex technology used in molecular biology.

Or

- (b) Describe sequence profiling tool in Bioinformatics.
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Reg. No. :

Code No. : 8190

Sub. Code : C 3 AB

M.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2011.

Third Semester

Botany

COMPUTER APPLICATION AND BIOINFORMATICS

(For those who joined in July 2008 and afterwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL the questions.

1. Optical marks.
2. Function keys.
3. Telnet.
4. Domain name.
5. Stacked bar graphs.
6. Side sorter view.
7. NCBI.

8. EBI.
9. Transcriptome.
10. Metabolomics.

PART B — ($5 \times 5 = 25$ marks)

Answer All the questions, choosing either (a) or (b).

11. (a) Explain tape storage devices.
Or
(b) List the functions of Bios programs.
12. (a) Write short note on Chatting on Web.
Or
(b) Give an account on E-Journal.
13. (a) Give ten tips to make graphs great.
Or
(b) Write any three movements in Power point presentation.
14. (a) Give brief about the EMBL Nucleotide sequence Data library.
Or
(b) Differentiate of protein sequence databases and protein structure databases.

15. (a) Give usefulness of dot sequence analysis.

Or

- (b) Explain multiple sequence alignment.

PART C — ($5 \times 8 = 40$ marks)

Answer All the questions, choosing either (a) or (b).

16. (a) Explain the role of computer applications in biological science.
Or
(b) How can you organize the files and folders by using my computer and windows explorer?
17. (a) Give general search tips for web browsing.
Or
(b) Give an account of web browsing tools.
18. (a) Give list of functions and limitations using MS-Excel.
Or
(b) Describe different parts and building bar graph.
19. (a) Give an account on the FASTA Algorithm for protein structure prediction.
Or
(b) Describe data management in Bioinformatics.