

Code: R5102301 R05

B. Tech I Year (R05) Supplementary Examinations, May 2012 COMPUTER PROGRAMMING FOR BIOTECHNOLOGISTS (Biotechnology)

Time: 3 hours Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

- 1 Define hardware. Explain about input and output devices.
- 2 (a) Explain about the principles of software engineering.
 - (b) Write about the operating systems Unix and Linux. Differentiate between Unix and Linux.
- 3 (a) With example discuss about flowchart and algorithm.
 - (b) Explain about increment and decrement operators with example.
- 4 (a) Define an array. Explain about two dimentional array with example.
 - (b) Discuss about string variables.
- What is a function? Write about call by value and call by reference with example.
- 6 (a) Explain about CODD'S rules.
 - (b) Differentiate between RDBMS and DBMS.
- 7 (a) Write about circular queue.
 - (b) Transform the following infin expression into their equivalent prefix expressions. A* (B+D) / E-F * (G+H / K).
- 8 Discuss about system biology markup language in detail.
