

B.C.A. DEGREE EXAMINATION, MAY 2010.

C PROGRAMMING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions. (5 × 20 = 100)

1. (a) Discuss on modularity approach in program development.
(b) Write detailed notes on iteration.
2. (a) Discuss on C Tokens.
(b) Write note on :
 - (i) Expressions
 - (ii) Symbolic constant
 - (iii) Operator precedence.
3. (a) Discuss on any three looping structures with suitable example.
(b) Write a C program to sort names in alphabetical order using array.
4. (a) Write short notes on :
 - (i) Goto statement
 - (ii) Differentiate between entry control and exit control statements.
(b) Write a C program for matrix manipulation using two dimensional array.
5. (a) Explain the concept of recursion with suitable example.
(b) Write a C program to swap two numbers using pointers as function arguments.
6. (a) Discuss on various categories of functions with suitable example.
(b) What is pointer? How pointers are used in expression? Explain with suitable example.
7. (a) Describe the error handling methods with suitable example.
(b) Write a C program to store and display student details using file.
8. (a) Explain, how to access data directly from the files.
(b) Write note on :
 - (i) Reading and writing data
 - (ii) Conditional compilation.