

B.C.A. – SEM 2 Examination

May – 2017

Subject Name:– Advanced C Programming

Paper No. 204 Subject Code: 20207

Total Marks: 70

Time: 2.5hrs

Q-1(A) Define Structure, explain Structure with example. [07]

Q-1(B) Differentiate : Array and Structure. [07]

OR

Q-1(A) What is Union? Write a detail note on union. [07]

Q-1(B) Write the differences between structure and union. [07]

Q-2(A) Explain Pointer Array in detail. [07]

Q-2(B) Explain character array with example. [07]

OR

Q-2(A) What is pointer? How can we declare & initialization pointer variable? Explain with example. [07]

Q-2(B) What is reference? How can we pass and return value using call by reference? Explain with example. [07]

Q-3(A) What is linked list? Explain singly linked list with all its operations. [07]

Q-3(B) Write a program for insert and delete node on singly circular link list [07]

OR

Q-3(A) Explain with malloc() and calloc() with example. [07]

Q-3(B) Write a program for Insert and delete node in singly link list. [07]

Q-4(A) What is file? How can we declare, open and close the file? Explain with example. [07]

Q-4(B) Explain various modes of file with example. [07]

OR

Q-4(A) Explain any three file handling function. [07]

Q-4(B) Explain random access function with purpose, syntax & example. [07]

Q-5(A) What is preprocessor ? Explain macro substitution directives with example. [07]

Q-5(B) Explain bitwise logical operators with example. [07]

OR

Q-5(A) Explain compiler control directives. [07]

Q-5(B) Explain bitwise shift operators with example. [07]