[Additional Exam]

Comp II
Sem I
FYCS

VCD- (0)(05)2015 -FYCS- COMP II-SEMII-75Mks-21/2 Hrs.

Note: All Questions are Compulsory.

Q.1: Attempt Any Four From the Following: **(20 M)**

1. Write a program to implement selection algorithm.
2. Write a program to implement Fibonacci series.
3. Explain Recursion with proper programming example.
4. Give the difference between Function and macros.
5. Write a program to implement merge sort algorithm.
6. Explain return statement with proper programming example.
7. What are global and local variable?
8. Write a note on macros.

Q.2: Attempt Any Four From the Following: **(20 M)**

1. What are pointers? Explain with proper example.
2. Write a note on pointer variable.
3. Write a program using pointer notation to write function to exchange two strings.
4. Explain following functions with proper examples:
   a. getw() b.put() c.fprintf() d.fscanf()
5. Write a program to read and write binary file.
6. Write a note on referencing and dereferencing.
7. How we can use pointers within structure? Explain with example.
8. How pointers can work as a arguments? Explain with programming example.

Q.3: Attempt Any Four From the Following: **(20 M)**

1. What are applications of linked list?
2. Write a program to implement navigation operation on linked list.
3. Write a program to implement operation of Queue.
4. Write a program to delete element from the stack.
5. What are queues? How we can represent queue?
6. What are types of Linked List?
7. Explain Array representation of stack.
8. Write a program to create a linked list containing student's name and marks: search marks of a particular student.

Q.4: Attempt Any Theree From the Following: **(15 M)**

1. Write a proper example to show the function with it's definition.
2. Write a program to implement insert first operation on linked list.
3. What are applications of stack?
4. Write a program to insert element in queue.
5. Write a program to swap the value of two variables using pointers.
6. Explain following function: 1.fopen() 2.fwrite() 3.fseek()

****