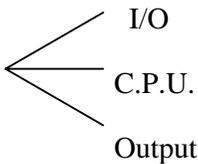# B.Sc. Computer Science
I Semester (Programming in C)
Important Questions

Unit – I
1. Explain different types of memories. Explain secondary memory.
2. Discuss various computer languages.
3. Explain various types of printers.
4. What is an operating system? What are its functions?
5. Discuss secondary storage devices.
6. Explain different input/output devices .
7. Define C tokens and explain different types of C tokens.
8. What is data type? Explain different data types in 'C'.

9. Explain the anatomy of computer
   - I/O
   - C.P.U.
   - Output

10. What is an operator? Explain different operators in 'C'.
11. Explain basic structure of 'C' program.
12. What is type conversion? Explain its types.
13. What is variable and constant? Explain

Unit – II
1. Explain about non-formatted I/P, O/P function with example.
2. Explain about formatted input/output.
3. Explain about escape sequences(short)
4. Explain about control statements
   i) Selection/decision making(if, if else, switch)
   ii) Looping/iteration(while, do while, for)
   iii) Explain about jumping statement
5. What is an array? Explain about the two types of arrays with example(10, 20)
6. What is a string? What are string.h and ctype.h functions?

Unit-III
1. Define function. Explain the components of function.
2. Explain about cache value and call by reference with example.
3. Explain about passing arrays to the function.
4. Explain about storage classes.
5. Explain about space of variables with example.
6. What is recursive function? Explain with example
7. What is pointer variable how to define and initialize pointer variables?
8. What are the operators of pointer (address of operator and value of address operator)
9. Explain about array of pointers.
10. Explain about pointers and strings.
11. What is Dynamic and memory allocation? What are its functions?

Unit – IV
1. What is a structure? How to declare and initiate the structure. Explain with example.
2. What is union? Explain with example.
3. Define structures. Explain about array of structure.
4. What is enumeration? Explain with an example.
5. Differentiate between structure and union.
6. Explain and write the syntax for file open and declaring file pointer.
7. Explain I/O operation on files to open & close filename