

Computer Systems and Programming In C (RCS-101)

Assignment 2.1

1. Explain datatypes in 'C' language, mentioning their range, space they occupy in memory and keyword used for their representation in memory. [2011-12][2015-16]
2. What do you mean by operator precedence and associativity. [2013-14][2015-16]
3. What do you mean by implicit and explicit typecasting? [2013-14][2015-16]
4. What is difference between type conversion and type casting. What are the escape sequences characters? [2015-16]
5. Give any four format specifiers used in printf() [2013-14]
6. Explain the ternary operator in detail with example. [2012-13]
7. Explain in detail various operators present in C? **[very imp]**
8. Explain the general structure or layout of a C program? [2015-16]
9. Explain logical and bitwise operators with example. [2014-15]
10. Write about the formatted and unformatted Input/Output functions in C. [2014-15]
11. Write a short note on structured programming. [2015-16]
12. Explain loading and linking of a program in detail. [2015-16]
13. Explain four storage classes in C, mentioning their place of storage, default initial value, scope and life of each item [2011-12][2013-14][2014-15][2015-16]
14. What is the meaning of scope of a variable? Give various types of scope in C programming? [2011-12]
15. Write a Program (WAP) in C in which values of variables x, y, x are input by the user, then their values are rotated such that x has value of y, y has value of z, and z has value of y. [2011-12]

Note: Students can leave Q 13 for this assignment as it is covered in Unit 3. But it is VERY IMPORTANT.