Computers
Assignment-1
Revision (2 Marks Ques.)

Q1. What are data types? What all are predefined data types in C++

Q2.Why is char often treated as integer data type?

Q3.What is a reference variable ? What is its usage.

Q4.Why main function is special? Give two reasons.

Q5.What is the difference between type casting and automatic type conversion? Explain with suitable example.

Q6. Given the two following expressions:
   a) Val=3
   b)Val= =3
   i) How are these two different?
   ii) What will be the result of the two if the value of Val is 5 initially?

Q7. Suppose x1 and x2 are two type double variables that you want to add as integers and assign to an integer variable. Construct a C++ statement for doing so.

Q8. Differentiate between a run time error and syntax error. Give one example of each.

Q9. Name the header file to be included for the use of the following built in functions:

   1) toupper
   2) isdigit
   3)puts
   4) setw
   5) gets
   6) isalnum
   7) clrscr

Q10. Name the header file that shall be needed for the following code-
   void main ( )

   {   char text[ ] = "Computer";
   }   cout <<setw(15)<< Text;

Q11. What is the difference between call by value and call by reference in a user

defined function in C++? Give example.

Q12. What is the difference between global variables and local variables? Give example.

Q13. What is the use of preprocessor directive # include <iostream.h> in a c++ program?

Q14. What is meant by token?Which tokens are available in C++?

Q15. What do you mean by fundamental data types? How many fundamental data types C++ provide? What are they and what for?

Q16. What is union in C++? What is an enumeration in C++? Give examples.

Q17. What are derived data types? Name the user defined data types in C++.

Q18. What is a variable? Which two values are associated with a variable?

Q19. What is the effect of absence of break in switch-case statement?

Q20. In a control structure switch case, explain the purpose of using default.

Q21. What are iteration statements? Name the iteration statements provided by C++.

Q22. What is the difference between a while and do-while loop?

Q23. What are actual and formal parameters of a function.

Q24. What is the difference between global and local variables?

Q25. What is the purpose of comments and indentation in a program?

Q26. What is the purpose of a header file in a program?

Q27. What main integer types are offered by C++?

Q28. Explain the usage of the following with the help of an example
   1) Constant
   2) Reference
   3) Variable
   4) Union

Q29. What are arithmetic operators in C++? Distinguish between unary and binary arithmetic operators. Give example for each of them.

Q30. What is meant by type conversion? How is implicit conversion different from explicit conversion?