

DELHI PUBIC SCHOOL, JAMMU
ASSIGNMENT-I

Exam: Periodic Test-II

Class-XI

Subject: Computer Science

1. What is mean by the term throughput and what is its significance?
2. What are the functions of an operating system?
3. Explain briefly the concept of time-sharing.
4. Convert:
 - i) 200_{10} to binary.
 - ii) 1101.000101_2 to decimal.
 - iii) 0.015625_{10} to octal.
 - iv) 10101110.010111_2 to hexadecimal
 - v) $3BF.5C_{16}$ to binary.
5. What is the difference between RAM and ROM?
6. What do you mean by Abstraction and Encapsulation? How are these two terms interrelated?
7. Write two major differences between Object Oriented Programming and Procedural Programming.
8. Write two advantages of using include compiler directive.
9. Why main function special? Give two reasons.
10. Differentiate between a Run Time Error and Syntax Error. Also give suitable examples of each in C++.
11. What are data types? What are all predefined data types in C++?
12. What is a variable ? How many values are associated with it?
13. Identify the errors in the following code segment:

```
:  
int main()    {    cout<<"Enter two numbers";  
                cin>>num>>auto;  
                float area= length * breadth;  
            }  
}
```

14. Evaluate $x=++y+2y$ if $y=6$.
15. Differentiate between the post-increment and pre-increment operators. Also, give a suitable C++ code to illustrate both.
