Delhi Public School – Ruby Park, Kolkata

HOLIDAY HOMEWORK
CLASS – XI [COMPUTER SCIENCE]

1. Define and distinguish between data and information.

2. Briefly explain the significance of Input-Process-Output Cycle.

3. Briefly explain the basic architecture of a computer.

4. What is the function of CPU in a computer system? What are its subunits?

5. What role does memory play in the functioning of computer system?

6. What is a bit? What is a binary code?

7. Define each of the following:-

    a) nibble   b) byte   c) kilobyte   d) megabyte   e) gigabyte   f) terabyte

8. Distinguish between internal and external memory.

9. Draw a block diagram of the main units of a computer hardware system.

10. What are the differences between hardware, software and firmware?

11. What are the software classifications? Discuss their functioning in brief.

12. Explain briefly the major innovations of

     i) first generation computers,

     ii) second generation computers,

     iii) third generation computers,

     iv) fourth generation computers ?

13. What is the Von Neumann architecture? Did it influence the making of computers? How?

14. Identify and discuss characteristics and uses of

    a) minicomputers

    b) mainframe computers, and

    c) supercomputers.

15. How are digital, analog and hybrid computers different from one another?

16. What are tokens in C++? How many types of tokens are allowed in C++? Exemplify your answer.

17. How are keywords different from identifiers?

18. Identify the errors in the following code segments:

i) int main()

{

   cout<< "Enter two numbers";

   cin>> num >> auto;

  float area = Length * breadth;

}

ii) #include<isostream.h>

void Main()

{

   int a, b;

   cin<< >>;

   if (a>b) MAX = a

}

19. What are literals in C++? How many types of literals are allowed in C++?

20. Write in brief about different datatypes in C++.