

Class: XI

Sub: Computer Science C++

Assignment 1:

Topic: Computer Overview and Getting Started with C++

Q1 What is a bit? What is Binary Code?

Q2 Explain briefly the major innovations of

- (a) First generation computers
- (b) Second generation computers
- (c) Third generation computers
- (d) Fourth generation computers

Q3 What do you understand by input unit? What is its significance? What does computer input consist of?

Q4 What is the relation between microcomputers and microprocessor?

Q5 Define each of the following:

- (a) Nibble
- (b) Byte
- (c) Kilobyte
- (d) Megabyte
- (e) Gigabyte
- (f) Terabyte

Q6 What is the difference between system software and application software?

Q7 What are the advantages and disadvantages of using computers?

Q8 What are the differences between Hardware, Software and Firmware?

Q9 How are digital, analog and hybrid computer different from one another?

Q10 Identify the invalid variable name and rewrite the corrected names

- (a) A\_1
- (b) 1file
- (c) \_1name
- (d) amount.file
- (e) book\_mark
- (f) 1\_sname

Q11 What type of errors generally occur while programming?

Q12 Point out the error in the following program:

```
Void main()
{
    cout<<"hello world";
    return 0;
}
```

Q13 What are operators? Give examples of some Unary and Binary Operators.

Q14 What are character constants in C++? How are these implemented?

Q15 Find out the errors , if any, in the following C++ statements:

(a) `cout<<"a" a;`      (e) `m=5,n=12;a=15`

(b) `cout<<"x";<,x;`      (f) `cin>.y;>>j`

(c) `cin>>"#n">>y;`      (g) `a=b+c;`

(d) `cout>>"#n"abc";`      (h) `break=x*y;`

Q16 What are the two advantages of using include compiler directive?

Q17 What does the file `iostream.h` consist of?

Q18 How is compiler different from interpreter?

Q19 What are the different types of digital computers based on their performance?

Q20 What is the function of memory? What are its measuring units?

Q21 What is data? What is the output of data processing system?