

Autumn Break Home Work(CS)
Class-XI

1. Explain functional components of a Computer?
2. Write different between application software and system software.
3. Define Hybrid computer?
4. What function of operating system plays to manage memory.
5. Write differences between logical errors and syntax errors.
6. What do you mean by robustness of a program.
7. What is Modularity
8. What are stylistic Guidelines?
9. What are the characteristics of a good program ?
10. Name two types of compilation errors ?
11. Name the header files to which the following belongs to :
(i) getch() (ii) pow() (iii) clrscr() (iv) setw()
12. write output for following code:
int val,n=1000,;
cin»val;
res=n+val>1500?100:200;
cout«res;
i) If the input is 1000.
ii) If the input is 200.
13. Write the equivalent C++ expressions-
(1) $p=2(l+b)$
(2) $z=2(p/q)^2$ (3) $s=l/2mv^2$ (4)
 $x=-b+V(b^2-4ac)/2a$
14. Write difference between keyword and identifier.
15. Draw a flowchart that print the smallest of three given no.
16. Draw a flow chart to print Fibonacci series:-
0,1,1,2,3,5,8
17. Draw a flow chart to find out factorial of a given no.
18. Draw a flow chart to calculate the sum of n natural numbers by using function
19. Convert the following into its binary equivalent codes.
(i) $(84)_{10} = (?)_2$
(ii) $(2C9)_{16} = (?)_{10}$
(iii) $(101010)_2 = (?)_{10}$
(iv) $(3674)_8 = (?)_2$
20. Express -4 in 1's complement form.
21. What is the function of a bus .
22. Write two types of cache memory.
23. write difference between SRAM and DRAM.