

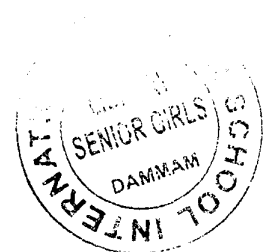
**INTERNATIONAL INDIAN SCHOOL, DAMMAM**  
**FIRST TERMINAL EXAMINATION 2017-2018**

**SUB: COMPUTER SCIENCE**  
**CLASS: XI**

**MAX MARKS: 70**  
**TIME: 3 HRS.**

**SET A**

1. What is the difference between data and information? (1)
2. What is the function of BIOS? (1)
3. Expand the following :- (1)  
(i) ENIAC (ii)EDSAC
4. Give two main features of third generation computers. (1)
5. Differentiate between cold booting and warm booting. (2)
6. What are the different types of software? Give two examples of each. (2)
7. Differentiate between compiler and interpreter. (2)
8. What are the functions of operating system (2)
9. Explain the following (3)  
(i) Compression tools  
(ii) Proprietary software  
(iii) Data base Management System
10. What are tokens? Name the tokens available in C++ (2)
11. What is the difference between 45L and 45? (1)
12. What is the difference between unary and binary operators? Give suitable example. (2)
13. What is a variable? What are the two values associated with a variable. (2)
14. Which among the following are valid identifiers? (2)  
Total\*Tax, Double , My Name , switch , \_int , FOR , 3rdNum , Column31.
15. What output will the following cout statement produce? (1)  
cout<<"Live \t In \nPeace\t And\n Harmony";
16. Write the output of the following program code. Also write the value of variables First and Second after execution of the code: (2)  
int Last , First =10 , Second = 12;  
Last =++First + Second - - ;  
cout<<Last+2;  
Second- - ;  
cout<<Second+2;
17. Write C++ expression for the following (2)  
(i)  $ut + \frac{1}{2}ft^2$



- (ii) To check whether salary is in the range 5000 and 10000.
18. What is the order of evaluation of the following C++ expression (1)  
`c<b || ! b>3 && d>a`
19. Evaluate the following C++ expression if a=4 , b=2 , c=-1 , d=6 (2)  
 (i) `!(a<b) && c!=d || b+c<a`  
 (ii) `Z= a++ - --c*d/b;` (what will be the value of Z after execution of the expression).
20. Rewrite the following fragment using if – else statement (2)  
`int x , b = 50 ;  
x=(b<10? (b<=30? 300 : 200) : 600);  
cout<<x;`
21. How many times will the following loop execute? (1)  
`int sum=0, i=0;  
do  
{  
sum+=i;  
i++;  
}while(i<5);`
22. Identify the errors in the following C++ code and rewrite the corrected code: (2)  
`#include(iostream.h)  
void main();  
{  
int x=90;  
while[x<100]  
{  
cout<<x<<<x;  
}  
}`
23. Rewrite the following program code using switch statement: (2)  
`if(num==0)  
cout<<"\n Number is zero";  
else if(num==1 | num==3)  
cout<<"\n Number is one or three";  
else  
cout<<"\n Number is not zero, one or three";`
24. Rewrite the following code using do-while loop. (2)  
`int p , q ;  
for (p=10 , q=5; p>=1; q++)  
cout<<(q+p- -);  
cout<<"\n Thank you" ;`

25. Write the output of the following C++ code (3)

```
(i) int x, y;
    x=5; y=1;
    while (x>=0)
    {
        x=x-1;
        y=y*x;
        cout<<"\n" <<y;
    }
```

(ii) #include<iostream.h> (2)  
void main ( )

```
{
    inti=0, x=0;
    for ( i = 1 ; i < 8 ; i *=2)
    {
        x++;
        cout<<x;
    }
    cout<<"\n"<<x;
}
```

(iii) #include<iostream.h> (2)  
void main()

```
{
    int x=0, i=0;
    while(i<8)
    {
        if(i%2==0)
        {
            x=x+i;
            cout<<" "<<x;
        }
        i++; } }
```

26. Write C++ program for the following

- (i) To find the largest of 3 numbers using conditional operator. (3)
- (ii) To display 'n' Fibonacci series. (3)
- (iii) To print the largest odd and largest even number from a list of numbers and this list terminates as soon as the number zero is entered. (4)
- (iv) To read an integer 'n', reverse the digits and check if the number is palindrome or not. (4)
- (v) To check whether a number is prime or not. (4)
- (vi) To calculate the area and perimeter of a rectangle using switch case. (4)