**CS201 Midterm Papers Fall 2019 (14 To 26 December 2019)**

**Cs201 Midterm current paper 14 December 2019 Time:8:30am**

Q no.1  
Convert the following while loop into a for loop  
Int I=1;  
While(i<=h)  
{  
Couti\*I;  
I++;  
}

Q no.2  
Given below is the code segment of a file handling program. What is the purpose of the condition given in the while loop  
While(! Infile.eof())  
{  
Infile>> name>>sal>>dept;  
Cout name"\ t" saal"\ t" dept endl;  
}

Q no.3  
Write a function definition which takes three arguments: retail price, sales taxes, incom tax and returns the net price of a book.  
Note: the net price of the book can be calculated by the formula  
Net price= retail price + sales tax + incom tax

Q no.4  
Write a program which defines two string " Hello" and "Pakistan", merges both the strings using manipulation function and display on the screen.

Q no.5  
What will be the output from the following program?  
#include<iostream>  
#include<conio.h>  
Int main ( )  
{  
for int i=1; i<6;i++  
If( i%2==0)  
Couti+1endl;  
else  
Coutiendl;  
System("pause");  
}

**Cs201 Midterm current paper 15 December 2019 Time:8:30am**

Finally I attempt my paper CS201  
Total questions 1 to 23  
1 to 19 only MCqs (mostly from previous papers)  
2 shorts (one and two dimentonal array , file data on disk)  
2 programs ( interger from user and display product with formula , and 1 long program kilogram weight ponds like this)

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**Cs201 Midterm current paper 15 December 2019 Time:8:30am**

Cs201 15/12 4pm  
program(marks 3): make a 2d array of 3x3  
2nd question(marks 3) find the mistakes in following  
If(num%2==o);  
Cout"the number is even";  
else()  
Cout"the number is odd";  
3rd question(marks 5) define the function of following  
outfile.open  
4rth question(marks 5) find the perimeter of a circle by taking value of radius from user. You just have to declare 2 variables peri and radius and formula is  
Perimeter of circle=2\*3.14\*radius  
5th question(marks 5) make a program which converts the weight in kgs to pounds by defining function..  
Mcqs were easy if u read handouts just 2 or 3 mcqs came from past papers.. But it was easy.

**Cs201 Midterm current paper 17 December 2019 Time:8:30am**

Cs201 15/12 4pm  
program(marks 3): make a 2d array of 3x3  
2nd question(marks 3) find the mistakes in following  
If(num%2==o);  
Cout"the number is even";  
else()  
Cout"the number is odd";  
3rd question(marks 5) define the function of following  
outfile.open  
4rth question(marks 5) find the perimeter of a circle by taking value of radius from user. You just have to declare 2 variables peri and radius and formula is  
Perimeter of circle=2\*3.14\*radius  
5th question(marks 5) make a program which converts the weight in kgs to pounds by defining function..  
Mcqs were easy if u read handouts just 2 or 3 mcqs came from past papers.. But it was easy.

**Cs201 Midterm current paper 26 December 2019 Time:8:30am**

What happens if the file 'myfile.txt' does not exist and we still try to open it using the function file.open(“myfile.txt”, ios:out)?

Would the open() function create a new file and open it OR it will generate an error?

èDetermine the output of the given code segment.

int x = 2;

switch(x){

case 1:

x += 1 ;

break ;

case 2:

x += 2 ;

case 3:

x +=3 ;

break ;

case 4:

x += 4 ;

break ;

}

cout x ;

èTransform the following If-else statement into switch statement.

if (x == 5)

...

else if (x == 10 || x == 11)

...

else if (x == 8)

...

else if (x == 9)

...

else

...

èWrite a C++ program which calculates the Net price of a book and displays it on the screen. The Net price of book can be calculated by the following formula:

Net price = Retail Price + Sales Tax + Income Tax

Retail Price, Sale Tax and Income Tax are taken as input from the user.

èWrite a program which opens a file named "writeFile.txt" and moves the file pointer 100 characters forward starting from the beginning of the file and then writes the message "Reached at position 101" at the new position in the file.