Subject: Fundamentals of Programming (F	OP).	
Program: BSCS.		
Section: F/G.		
Faculty Name: Momal Rehman.		
Marks allocated: 20 Marks.		
Date of Midterm Exam: 27 th November 20	20.	
Duration of assessment: 10:45 am till 1:00p	om.	
Code: B (Odd IDs).		
Q1) Multiple Choice Questions (MCQs);		[3]
1. C programs are converted into machine language with the help of		
(a) An Editor.	(b) A compiler.	
(c) An operating system.	(d) None of the above.	
2. Which of the following statement is wrong:		
(a) mes = 123.56;	(b) con = 'T' * 'A';	
(c) this = 'T' * 20;	(d) $3 + a = b$;	
3. Which of the following statement is used to take the control to the beginning of the loop?		
(a) exit.	(b) break	
(c) continue	(d)None of the above.	
Q2) Predict the Output:		[1.5]
a. int main() {		
int i=3;		

```
if(i=4) {
        printf("This block is executed"); }
        else { printf("NO! I am boss"); }}
   b. int main(){
       int i = 5;
       int a = --i + ++i - i-- + --i;
       printf("%d",a);
       return 0;}
   c. main(){
       float a = 3.5;
       switch ( a ){
       case 0.5:
       printf ( "The art of C" ) ;break ;
       case 1.5:
       printf ( "The spirit of C" ) ;break ;
       case 2.5:
       printf ( " See through C" ) ;break ;}}
Q3) Write only condition:
                                                                                            [1.5]
       (a) whether the number is odd or not.
```

(b) whether the number is even or not.

- Q4) Convert the following equations into corresponding C statements. [1]
 - (a) R = 2v + 6.22 (c + d) / g + v
- Q5) Write a C program to find the place value of two-digit number and then swap those values. [4]

TEST DATA:

Enter number:45

Before Swapping:

Unit =5 Tens=4

After Swapping

Unit=4 Tenth=5

Q6) If the ages of person A, B and c are input through the keyboard, write a program to determine the eldest of the three. [4]

TEST DATA:

Enter Person 1 Value: 5

Enter Person 2 Value: 15

Enter Person 3 Value: 8

The eldest of three is person 2 of age 15

Q7) write a menu driven program to find the area and perimeter of the following shapes:
[5
1. Circle.
2. Square.
3. Rectangle.
4. Exit.
TEST DATA:
Options available are:
1. Circle.
2. Square.
3. Rectangle.
4. Exit.
Enter your choice: 2
Shape is Square.
Enter length in meters: 3
Area of square is 9 m^2.
Perimeter of Square is 8m.