

CT1: CSE 203 - Object-Oriented Programming I: Java

Time: 25 min

Mark: 20

Name:

ID:

1. Write a java program which will take an integer input from user and do the following. [8]
- a) If the number is odd and divisible by 5, print your registration number.
 - b) If the number is greater than 200, deduct 100 from the number and then divide it by 2. Print the result

Code to take an integer input from user.

```
Scanner scan = new Scanner(System.in);  
int a = scan.nextInt();
```

2. Which of the following are valid variable names? [2]
- a) Cse203
 - b) #cse203
 - c) 203cse
 - d) \$cse203

3. What will be the output of the code segment below if you enter the last 2 digits of your registration number? For example, if your registration number is 17101022, then the value of b will be 22. [4]

```
int a = 5;  
int b = scan.nextInt();  
int c = ++a * b++;  
System.out.printf("%d:%d:%d", a, b, c);
```

ANS:

4. Declare a method named **ct1** which will take 2 **double** type parameters and return an **integer** value. [2]
- Note:** You do not need to implement the method, just the declaration/header part is needed.

ANS:

5. Are there any errors in the following code segment? Fix the errors. [2]

```
int a = 5;  
if(a>1 && a<5)  
    System.out.println("Valid input");  
    a--;  
else  
    System.out.println("Invalid Input");
```

ANS:

6. Do you see any problem with the following loop? What is that? How can you fix that. [2]
- ```
for(int i=0; i<2; i--)
 System.out.println(i);
```

ANS: