

Object Oriented Programming with C#

18.1 Plymouth School of Computing

Model Question Discussion

Part A Write short answers (2 x 10 = 20 marks)

01. What is type casting? Give an example.

02. How to print following output?

4 x 1 = 4

4 x 2 = 8

4 x 3 = 12

4 x 4 = 16

4 x 5 = 20

03. What is the purpose of switch case statement?

04. What is the meaning of return values from a method?

05. What is inheritance?

06. What is method overloading?

07. Describe the accessibility modifier “private”

08. Define a class constructor?

09. Write required code for class ‘Banker’ with two constructor methods.

10. Why we use finally in exception handling?

Part B

- 1) Write a program in which accept two argument as parameter from the user and returns four output value as add, subtract, multiplication and division using class called Calculator containing Add(), Subtract(), Mul(), Div() methods.
- 2) Write a function (Console application) in C# to find the sum of the Even Numbers and Odd Numbers separately from 1 to N, where the value of N is input as a command line argument

3) Code the following class using C#.

SavingsAccount
Private AccNo
Private Owner
Private Balace
Public void ShowBalance()

4) Explain the purpose of each of the statement in the following code

```
string sql = "SELECT * FROM Employee" ;  
con.Open();  
SqlDataAdapter adapter = new SqlDataAdapter (sql,con);  
DataSet ds = new DataSet( );  
Adapter.Fill(ds, "Employee");  
DataGridView1.DataSource = ds.Tables["Employee"];
```