M.Sc. Third Semester Examination, Dec.-2018
INFORMATION TECHNOLOGY
FIRST PAPER
Dot Net Technology
Paper Code : 81301

Time Allowed: Three Hours   **Maximum Marks : 70**

No supplementary answer book will be given to any candidate. Hence the candidates should write the answers precisely in the main answer book only

(Attempt all six questions)
Part I (Question No. 1 & 2) is compulsory & Part II (Question No. 3, 4, 5 & 6) has internal choice.

PART- I

1. **Attempt any 10 questions out of the following. Each question carries 1 mark.**   **10x1=10**

   a) Write syntax for implementing interfaces in (#).

   b) What do you mean by Request and Response in ASP.Net?

   c) List the different places in web application where view state field can be disabled.

   d) Explain ASP.NET life cycle.

   e) Explain two navigation controls.

   f) What do you mean by Windows Services?

   g) What is the significance of Common Language Runtime?

   h) Define an Indexer.

   i) How JIJ compiler is related to MSIL?

   j) What is the purpose of assembly in .Net framework?

   k) Explain Web. Config File.

   l) Define the following keywords: Using, System.

2. **Attempt all questions. Each question carries 5 marks.**   **4x5=20**

   a) Illustrate the formatting of Date and Time in ASP.NET.

   b) What will be the output of the following method? Why?

   Static void main ()

   {int Var A = 5;

   int Var B = ++VarA;

   int Var C= Var B++;

   Console. write line ("A:{0},B:{1},C:{2}", Var A, Var B, VarC);

   }

   c) What do you mean by Disconnected Data Access?

   d) Which method is provided by ADU.NET connection object to retrieve database schema?

PART II
Unit I

3. Describe components of .NET framework along with neat diagram. **10**

OR

Write a program that assigns the value 25 to a variable x and 5 to variable Y. Output the sum, difference quotient, product and modulus of X and Y. **10**

Unit II

4. List down the five principles of Distributed Design? How can it be implemented in C#? **10**

OR

Discuss the significance of the following validation controls: **10**
1) Required Field Validation Control
2) Compare Validator Control
3) Range Validator Control
4) Regular Expression Validator Control

Unit III

5. Discuss the following server side controls used in ASP.NET web forms : **10**
- DATA GRID
- DATA LIST

OR

Discuss common metadata collection.

Unit IV

6. Discuss the significance of the following ADO objects: **10**
- The Data Set Class
- The Data Table Class
- The Data Row Class

Write small code to illustrate the use of above classes.

OR

Explain the following execute methods along with short examples: **10**
- Execute Non Query
- Execute Reader
- Execute Scalar

*****