

M.Sc. Third Semester Examination, Dec. – 2019
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) By default where the session ID is stored in ASP.NET?
- b) What is the file extension of web service in ASP.NET?
- c) You need to initialize some variable only when the first user access the application. What should you do?
- d) What is meant by Web application?
- e) When web application running on multiple server, what it is called?
- f) When does garbage collector run?
- g) If you are using the data set and you have to display the data in sorted order, what will you do?
- h) What is debugging?
- i) What is the difference between events and controls?
- j) What is the difference between web forms and web controls?
- k) Name the various components of web services?
- l) What do you understand by dataset and data adapter?
- m) Explain the advantage of using web services?

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

- a) Explain state management in ASP.NET.
- b) Give an example of a .NET application which connects to Microsoft Access Database using ADO.NET classes.
- c) What are Data Readers?

d) What will be the output of the following code?

```
Static Void Main (String [] args)
{
    int [ ] i = new int [0];
    Console. WriteLine (i [0]);
}
```

OR

What will be the output of the following code?

```
Static Void Main (String [] args)
{
    #if (!Pi)
        Console. WriteLine (“i”)
    #else
        Console. WriteLine (“PI Undefined”);
    #endif
    Console. WriteLine (“OK”);
    Console. ReadLine ( );
}
```

PART II

Unit I

3. What is Microsoft Intermediate Language of Common Intermediate Language? **10**

OR

What is ASP.NET and its Architecture? Also discuss the importance of MSIL Code in .NET framework. **10**

Unit II

4. Explain the ASP.NET page life cycle in brief. **10**

OR

What is the web.config file and what is used for? **10**

Unit III

5. Explain the web service and different type of web service with diagram. **10**

OR

What is the difference between deploying and publishing and application? Discuss it. **10**

Unit IV

6. Which database is the ADO NET SQL connection object designed for? **10**

OR

What are the data providers in ADO.NET framework? What are the different type of ADO object? Discuss in detail. **10**
