

**M.Sc. Third Semester Examination, March – 2021**  
**INFORMATION TECHNOLOGY****FIRST PAPER****Dot Net Technology**

Paper Code : 81301

**Time Allowed: Two 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*

**PART- I****1. Attempt any 5 questions out of the following. Each question carries 2 mark.****5x2=10**

- a) How the common language runtime (CLR) works?
- b) List different types of properties in C# class.
- c) What are the different parts of a .NET framework?
- d) What are the features of server control in ASP.NET?
- e) Write the names of the languages which .NET support.
- f) Write steps for creating a service project.
- g) What are the major issues in web services?
- h) What are the advantages of server side controls?
- i) List the XML based standards used in web services.
- j) What does OLE stand for?
- k) Difference between XML and HTML.
- l) Write the full form of SQL.

**2. Attempt any 3 questions out of the following. Each question carries 6 marks.****3x6=18**

- a) Highlight the features of C# language.
- b) List the different types of validation controls supported in ASP. net and explain them.
- c) Explain the steps involved in the creation of the web services in C# in detail.
- d) Write the steps required for establishing database connectivity using ADO.net.

## PART II

Attempt any three questions.

3X14=42

3. What are Database Objects? Explain how database objects are built with the .NET framework. 14
4. Discuss the various inheritance of C#? 14
5. What are the three controls in ASP.net for submitting a form to the server? Explain using suitable example. 14
6. What are Rich Controls in ASP.net? Write simple scripts to display advertisements in web pages. 14
7. What is role of HTML, CSS, Java Script in web development? Which tools/languages are used for server side development? 14
8. Discuss how C# and .net framework plays a major role in developing web form and web services. 14
9. What do you mean by building Data Access Components with ADO.net? Write a program to create a component movie with attributes, title and Director. 14
10. Explain ADO.NET object model with a suitable diagram. Also list all the steps in order to access a database through ADO.NET. 14

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