

MASTER OF SCIENCE (COMPUTER SCIENCE) (CBCS-2018 COURSE)
M.Sc. (Computer Science) Sem-III : WINTER :- 2021
SUBJECT: .NET TECHNOLOGIES

Day : Saturday
Date 22-01-2022

W-20056-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREVER** necessary.

Q.1 Define Inheritance. Explain types of inheritance with suitable example. **(15)**

OR

Explain following windows controls with properties and method in .Net:

- a) TextBox
- b) RadioButton
- c) PictureBox
- d) ProgressBar

Q.2 A) Answer **ANY ONE** of the following: **(08)**

- i) What are assemblies in .Net? Explain types of assemblies.
- ii) Explain ASP.Net architecture with neat and well labeled diagram.

B) Explain **ANY ONE** of the following **(07)**

- i) Write steps for deploying application in windows and web application.
- ii) Elaborate constructor and destructor with examples.

Q.3 Answer **ANY THREE** of the following: **(15)**

- a) What are web service in ASP.Net? Write a code to create a web service for calculating circumference of circle.
- b) Explain how to handle system exception and user defined exception with suitable examples.
- c) Write difference between DataSet and DataAdapter.
- d) Write a code to display the records in the GridView from "emp" table using disconnected objects.
- e) Explain server side state management techniques with example.

Q.4 Write short notes on **ANY THREE** of the following: **(15)**

- a) Class and Object
- b) Access modifiers
- c) QueryString
- d) Cookies
- e) Event delegation model in .Net.

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