

M. SC. (Computer Science) SEM – III (Choice Based Credit & Grade System) : SUMMER - 2019

SUBJECT: .NET TECHNOLOGIES

Day: Saturday
Date: 04/05/2019

S-2019-1256

Time: 03.00 PM TO 06.00 PM
Max. Marks: 60

N.B:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat diagram **WHEREVER** necessary.
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Q.1 Write a code using student table to retrieve student details in the GridView (15)
using disconnected architecture of ADO . NET. Also explain the objects used.

OR

Create a web service to calculate area of a circle and write steps to implement that web service in windows and web applications.

Q.2 A) Answer any **ONE** (08)
i) Explain Session and Application variables.
ii) Write a code to write the data into a file using a StreamWriter class.

B) Answer any **ONE** (07)
i) Elaborate with an example shadowing.
ii) Write a code to handle any one System Exception.

Q.3 Answer **ANY THREE** of the following: (15)
a) Explain the term namespace. Discuss various contents of System namespace.
b) Explain the architecture of ASP. NET with neat and well labeled diagram.
c) Write a code to show usage of all types of constructor used in C#.
d) Illustrate with an example whether events are dependent on delegates.
e) What are types of Assemblies used in ASP. Net. Write steps to create shared Assembly.

Q.4 Write short notes on **ANY THREE** of the following: (15)
a) QueryString
b) ViewState
c) MSDN
d) Sealed class
e) ColorDialogBox