

**M. SC. (COMPUTER SCIENCE) SEM – III (CHOICE BASED
CREDIT & GRADE SYSTEM) : SUMMER - 2018
SUBJECT: .NET TECHNOLOGIES**

Day: Wednesday
Date: 25/04/2018

S-2018-0930

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 diagrams **WHEREVER** necessary.
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Q.1 Draw and explain .Net framework architecture in detail. **(15)**

OR

Explain error handling in VB.net. Also explain state management.

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

- i) Explain compilation and execution of a .Net application.
- ii) Write a program to display employee records into DataGridView control.

B) Answer **ANY ONE** of the following: **(07)**

- i) Discuss various access modifiers in detail.
- ii) Elaborate constructor and destructor methods in C#.net with example.

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

- a) State difference between connected and disconnected architecture of ADO. Net.
- b) What is GAC (Global Assembly Cache)?
- c) Describe data types in VB.net and validation controls in ASP.net.
- d) Explain different types of Inheritance.
- e) Differentiate between Stream Reader and Stream Writer.

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

- a) ASP. Net page life cycle
- b) Polymorphism
- c) Scalar- Queries
- d) XML
- e) Exception handling

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