

**Code: 9F00404b****MCA IV Semester Regular & Supplementary Examinations May 2018****.NET TECHNOLOGIES**

(For students admitted in 2011 (LC), 2012, 2013, 2014, 2015 &amp; 2016 only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) Explain the architecture of .NET framework with neat diagram.  
(b) Write in detail about automatic memory management.
- 2 (a) Develop a C# program for finding the area and volume of different shapes by overloading methods.  
(b) How exceptions are handled in C#? Discuss with an example.
- 3 (a) Explain the process of creating windows controls with VB.NET.  
(b) Explain windows services with examples.
- 4 Explain in detail about ADO.NET connected layer and write an ADO.NET database program to connect and retrieve from a database. Make your assumptions clear.
- 5 (a) Explain in detail about various ASP.NET web forms and web user controls.  
(b) Write the steps to setup and deploy ASP.NET application.
- 6 (a) Explain the XML capabilities in .NET platform.  
(b) Write short notes on XML DOM object model.
- 7 (a) How a web service can be called by using a proxy? Discuss with an example.  
(b) Explain UDDI architecture.
- 8 Discuss about the various components involved in .NET mobile application development.

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