

## Question Paper



### MANIPAL UNIVERSITY

**SCHOOL OF INFORMATION SCIENCES  
THIRD SEMESTER MASTER OF SCIENCE- M.Sc. (INFORMATION SCIENCE)  
DEGREE EXAMINATION - NOVEMBER 2017**

**DATE : Monday, November 20, 2017**

**TIME : 10:00AM - 1:00PM**

**ASP.NET and ADO.NET [MIS 601]**

**Marks: 100**

**Duration: 180 mins.**

#### **A**

**Answer all the questions.**

- 1) Define CLR, CTS, CLS and base class libraries. With a sketch explain their relationships. (10)
- 2) What are the key features of html server controls? Briefly explain converting an html page to an asp.net page. (10)
- 3) What are the various advantages of using web controls? (10)
- 4) What are the various ways of sending a user to a new page? (10)
- 5) Write short notes on handling exceptions. (10)
- 6) What are cookies? Explain how to insert, retrieve and delete cookies. (10)
- 7) Explain briefly headers collection, form collection and query string collection. (10)

**(3+3+4 MARKS)**

- 8) Mention any 5 properties of the base validator class and explain compare validator. (10)
- 9) Explain the disconnected data access with respect to ADO .NET. (10)
- 10) Write short notes on the following objects. (10)  
a) SqlConnection      b) SqlCommand      c) SqlDataReader.      (3 + 3 + 4)

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