

Roll No.

67211

MCA 5th Semester (With Old Notes)

Examination – December, 2016

ADVANCED TECHNOLOGY

Paper : MCA-501

Time : Three Hours]

[Maximum Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt five questions in all, selecting one question from each Unit. All questions carry equal marks.

UNIT – I

1. (i) What is the origin of Net Technology ? Discuss the salient features of Net framework.
- (ii) Discuss how managed code is generated from Integrated Language (IL).
2. (i) Write short note on Net Languages. What do you understand by Third Party Language ?
- (ii) List some of the important services the Framework Base Classes offers to the user.

UNIT – II

3. (i) Discuss the taxonomy of C# data types.
(ii) Differentiate between boxing and unboxing.
4. (i) What are jagged arrays ? How these arrays are declared and used in C# ?
(ii) What do you understand by Delegates ? Discuss the syntax of delegates and their applications.

UNIT – III

5. (i) "Dataset is an integral part of ADO. Net". Support your answer by listing its functions and different components. List different characteristics that differentiate ADO from ADO. Net.
(ii) What is the object model of ADO. Net ? Discuss its various components with the help of labeled diagram.
6. (i) What is Data Adapter ? Explain any *four* properties and methods related to data adapter.
(ii) Define Data View. Write down different steps to create a Data View.

UNIT – IV

7. (i) Discuss the anatomy and features of ASP. Net.
(ii) How sever side controls work differently than client side controls ? Explain with appropriate examples.
8. (i) What are different Web Services Provided by ASP. Net ?
(ii) Differentiate between Authentication and Authorization. <http://haryanapapers.com>

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