

**BCA Fifth Semester Examination, March – 2021****SECOND PAPER****Dot Net Technology**

Paper Code:- 42502

**Time Allowed: Two Hours****Maximum Marks : 70**

*No supplementary answer book will be given to any candidate. Hence the candidates should write the answers precisely in the main answer book only*

**PART- I****1. Attempt any 5 questions out of the following. Each question carries 2 marks. 5x2=10**

- a) Define Common Type System.
- b) Define Common Language Run Time.
- c) What is ASP. net application?
- d) Name any three valid events in ASP.net.
- e) What do you mean by Custom Controls?
- f) What is ADO.net?
- g) Define Data Adapter.
- h) Define SQL.
- i) What do you understand by Deploying of a Project?
- j) Differentiate between Drop Down List & List Box.
- k) Differentiate between ASP & ASP.net.
- l) Define IIS

**2. Attempt any 3 questions. Each question carries 6 marks. 3x6=18**

- a) Differentiate between managed and unmanaged code.
- b) Define various types of Button Controls in ASP.net.
- c) Explain Range Validator with suitable example.
- d) Differentiate between Data Table and Data View.

**Part-II****Attempt any 3 questions. 3x14=42**

3. Explain different features of .Net in detail. 14
4. (a) What is the need of JIT Compiler? 7  
(b) Explain Common Language Specifications. 7

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| <b>5.</b>  | Explain different data types available in C# with example of each.   | <b>14</b>  |
| <b>6.</b>  | Design a web form in ASP.net with following fields.<br>(a) User Name<br>(b) Gender<br>(c) Date of birth<br>(d) Password<br>(e) Confirm password  | <b>14</b>  |
| <b>7.</b>  | Explain different methods by which you can create custom web controls.   | <b>14</b>  |
| <b>8.</b>  | Discuss the following web controls with suitable example.<br>(a) File upload Control<br>(b) Ad Rotator<br>(c) Multi View Controller<br>(d) Required Validator  | <b>4</b><br><b>4</b><br><b>3</b><br><b>3</b>             |
| <b>9.</b>  | Explain ADO.net multi layer architecture with labelled diagram.  | <b>14</b>  |
| <b>10.</b> | Design and code .net application that contains following functionality<br>(a) Creating of Dataset<br>(b) Creating a table<br>(c) Inserting an item in table<br>(d) Uploading an item<br>(e) Deleting an item | <b>3</b><br><b>3</b><br><b>3</b><br><b>3</b><br><b>2</b> |

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