

Roll No. ....

**Y – 3647 (A)**  
**B.C.A. (Sixth Semester) (SPECIAL) EXAMINATION,**  
**August 2021**  
**(SECOND CHANCE)**  
Paper – 603

**INTRODUCTION OF ASP. NET AND C#**

*Time : Three Hours*

*Maximum Marks : 80*

*Minimum Pass Marks : 32*

**Note**—Attempt *all* questions.

**Unit-I**

1. (a) What is ASP.NET ? Give some differences between ASP.NET and earlier web development platforms.  
List seven important facts about ASP.NET. 8
- (b) With reference to OOPs, explain following with suitable examples : 8
- (i) Encapsulation.
  - (ii) Inheritance.
  - (iii) Polymorphism and
  - (iv) Abstraction.

**Unit-II**

2. (a) What is server controls in ASP.Net ? Giving types of server controls, explain following with examples : 8
- (i) Calendar control.
  - (ii) HTML server controls.
  - (iii) Validations.
  - (iv) Web controls.
- (b) With reference to ASP.NET, what do you understand by 'State-Management' ? Giving suitable examples and/or diagram, explain following in brief : 8
- (i) Application State.
  - (ii) Session state, and
  - (iii) View state.

**P.T.O.**

**Unit-III**

3. (a) What do you understand by ADO. NET ? With neat diagram, explain the architecture of ADO. NET. 8  
Explain following terms in brief : 8  
(i) Fundamental ADO. NET classes.  
(ii) ADO. NET standardization.
- (b) What is IIS ? List its functions and uses. Explain in detail the steps to install IIS. 8

**Unit-IV**

4. (a) What is XML ? Explain briefly when does using XML makes sense ?  
List some characteristics, advantages and applications of XML. 8
- (b) With suitable examples, explain following : 8  
(i) Reading datasets with XML.  
(ii) Writing datasets to XML.

**Unit-V**

5. (a) What do you understand by 'Database connectivity' in ASP. NET ? Explain following in brief : 8  
(i) Connected and Disconnected Database.  
(i) Connection class, command class and Data set class.
- (b) Giving suitable example, explain : 8  
(i) To create connection using ADO. NET object model.  
(i) Display data on data bound controls and Data Grid.