

Mumbai University

November - 2018

B.Sc.IT: SEMESTER – V

(QUESTION PAPER)

[CBCS – Choice Based]

ADVANCED

WEB

PROGRAMMING

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NOVEMBER – 2018 | CBCS – CHOICE BASED

MUMBAI UNIVERSITY
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Time: 2 ½ Hours

Total Marks: 75

NOTE:

- (1) All questions (Q.1 to Q.5) are compulsory.
- (2) Figures on the right indicate total marks. All sub-questions carry equal marks.
- (3) Write the question numbers clearly as mentioned in the Question Paper.
- (4) Mixing of sub-questions is not allowed.
- (5) Draw diagrams and give examples whenever necessary.
- (6) Use of calculator or any other electronic gadget is not allowed.

Q.1 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) What is Namespace? Explain with the help of an example. (5)
- (B) Explain Jagged Array with example. (5)
- (C) What is .NET Framework? Explain its architecture in brief. (5)
- (D) Write a program in C# to demonstrate Multiple Inheritance using Interfaces. (5)
- (E) Explain various Types of Constructors in C#. (5)
- (F) What is Delegate? Explain Multicast Delegate with an example. (5)

Q.2 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) What is the difference between List Box and Drop-Down Lists? List and explain any three common properties of these controls. (5)
- (B) Explain Adrotator Control with example in ASP.NET. (5)
- (C) List and explain any four types of Validation Controls used in ASP.Net. (5)
- (D) Explain Calendar Control with example in ASP.NET. (5)
- (E) Short note on Page Class. (5)
- (F) Explain SiteMapPath Control in ASP.NET. (5)

Q.3 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) What is User-Defined Exception? Explain with example. (5)
- (B) What is Debugging? Explain the process of Debugging in detail. (5)
- (C) Write short note on Cookies in ASP.NET. (5)
- (D) What is ViewState in ASP.NET? State its Advantages and Disadvantages. (5)
- (E) Create a web application to demonstrate use of Master Page with applying Styles and Themes for page beautification. Write necessary steps with code for the same. (5)
- (F) Explain the four most important selectors present in CSS. (5)

Q.4 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) List and Explain ADO.NET objects. (5)
- (B) What is DataReader in ADO.NET? Explain with example. (5)
- (C) Explain SqlDataSource in ADO.NET. (5)

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- (D) What is a GridView control? Explain with an example. (5)
- (E) What is the application services provided in ASP.NET? Explain. (5)
- (F) Differentiate between FormView and DetailsView. (5)

Q.5 ATTEMPT ANY THREE QUESTIONS: (15 MARKS)

- (A) Explain XmlTextReader and XmlTextWriter with an example. (5)
- (B) Explain XElement class with an example. (5)
- (C) What do you mean by Authentication? Explain its types. (5)
- (D) What do you mean by Impersonation in ASP.NET? Explain. (5)
- (E) Explain ASP.NET AJAX Control Toolkit. (5)
- (F) Create a Web Application to demonstrate the use of HTMLEditorExtender Ajax Control. Write the code of default.aspx and required property settings for the same. (5)