

Mumbai University

October - 2018

B.Sc.IT: SEMESTER – V

(QUESTION PAPER)

[Choice Based Syllabus]

PAPER – III

ADVANCED

WEB

PROGRAMMING

Time: 2 ½ Hours

Total Marks: 75

Note:

- (1) All Questions (Q1 To Q5) 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) Write the comments in the program/algorithm and write the assumptions, if any.
- (7) Use of calculator or any electronic gadget is not allowed.

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

- (A) Explain different types of Data Types in C#. (5)
- (B) Give syntax of foreach loop. Explain with example. (5)
- (C) Difference between Structures and Classes. (5)
- (D) Explain Polymorphism with suitable example. (5)
- (E) What are the rules in defining a Constructor? Explain Static Constructor with example. (5)
- (F) Difference between Public Assembly and Private Assembly. (5)

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

- (A) Explain ASP.NET Life Cycle Page. (5)
- (B) Explain the use of web.config files in ASP.NET Application. (5)
- (C) Explain Calendar Control with example in ASP.NET. (5)
- (D) Explain the use of RangeValidator with example? (5)
- (E) Describe the working of Chart Control? (5)
- (F) Explain the Anatomy of an ASP.NET Application. (5)

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

- (A) Why Exception Handling is required? Write syntax for User Defined Exception? (5)
- (B) Write a program to create a new cookie with the name "Username" and add it to the HttpResponse Object on the click of a button. Set the expiry date of the cookie to One Year from Now. (5)
- (C) What is Skin file? How to use it? (5)
- (D) Write the difference between Request Cookies and Response Cookies? (5)
- (E) Explain Keys and Mode HttpSessionState Members? (5)
- (F) What is Application State? Explain with examples? (5)

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

- (A) List and explain ADO.NET Objects. (5)
- (B) Differentiate between DataSet and DataReader. (5)
- (C) What is Data Binding? Explain its types. (5)
- (D) What is a GridView Control? Explain how to enable paging and sorting features of GridView? (5)
- (E) What is the Application Services provided in ASP.NET? Explain? (5)
- (F) Explain any 2 FormView Templates with examples? (5)

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

- (A) What is XmlTextWriter? Explain with example. (5)
- (B) Explain the steps to use Windows Authentication with sample code? (5)
- (C) What is XML Validation? (5)
- (D) What is Ajax? Explain its Disadvantages? (5)
- (E) How to authorize specific users in web.config file? Explain with example. (5)
- (F) Explain Accordion in ASP.NET Ajax Control Toolkit. (5)