

(Please write your Exam Roll No.)

Exam Roll No. ⁰⁴⁶.....

END TERM EXAMINATION

FOURTH SEMESTER [MCA] MAY 2017

Paper Code: MCA-210

Subject: Web Technologies

Time: 3 Hours

Maximum Marks: 75

Note: Attempt any five questions including Q.no.1 which is compulsory.
Select one question from each Unit.

- Q1 (a) List the different Table creation tags in HTML. (2.5x10=25)
(b) Explain Data Reader and Dataset.
(c) Differentiate between HTML and DHTML.
(d) What are the benefit of using Java Script in a web page? Explain.
(e) What are validation controls in Asp .Net? Explain.
(f) Explain Windows-Based Authentication with example.
(g) How is XML used in a web application? Explain with an example.
(h) How can you encrypt data from a web page? Explain with example.
(i) What is partial page caching in Asp .Net.
(j) How can we secure ASP.NET application by using Form-Based Authentication?

Unit-I

- Q2 (a) What is HTML? How do you make an image clickable in HTML? Give an example. (6)
(b) What is Java Script? How can Java Script be used to validate controls in a web form? Give examples. (6.5)
- Q3 (a) Explain in brief the popular Web Designing Tools. Also explain the need of Cascading Style Sheets (CSS). (6)
(b) Design & code a form for a publishing house called "Sultan Chand" that allows the book to be ordered via the Internet. The form should include the Customer's name, Address, Phone no. and Book's title, Author and Edition, with cash on delivery option for payment. (6.5)

Unit-II

- Q4 (a) What is the page life cycle in ASP.Net. Write the web server controls with their use. (6)
(b) Explain different objects used in ADO.NET. Write steps to execute a query for all operation (Select, Insert, Update and Delete) in a class with separate functions. (6.5)
- Q5 (a) What is Binding Data to web Control? Show the use of Grid view and Data List Controls with their important properties. (6)
(b) Design a Web Form to fill a Professional Resume of a candidate with all proper Validation control and make the use of Calendar control also. (6.5)

Unit-III

- Q6 (a) What is a session? Why do we use it? Give an example to use session in a web application. (6)
(b) What are the benefits of using caching in a web application and list different types of caching. (6.5)

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- Q7 (a) Explain with an example the concept of Application Tracking and Error Handling in a web applications. (6)
(b) Design & code a web application to authenticate all form using Form-Based Authentication and redirect all to login.aspx. (6.5)

Unit-IV

- Q8 (a) Explain Web Services. Also describe service oriented architecture using example. (6)
(b) What is the role of SOAP in web services? Explain the SOAP message structure. (6.5)

- Q9 Write short notes on: (12.5)
(a) WSDL
(b) UDDI
(c) ~~Grid~~ Computing
(d) Cloud Computing

*Trace
Error
Debugger*
