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Reg. No. :

Code No. : 6087

Sub. Code : ZCAM 23

M.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2022

Second Semester

Computer Application — Core

ADVANCED WEB TECHNOLOGY

(For those who joined in July 2021 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The .NET framework is developed by _____
(a) Microsoft (b) Oracle
(c) Windows (d) Visual studio
2. CLR stands for _____
(a) Class Language Runtime
(b) Compiler Language Runtime
(c) Common Language Runtime
(d) Computer Language Runtime

3. Which component is used for developing interactive and web based applications?
(a) Windows forms (b) ASP.NET
(c) ADO.NET (d) VB.NET
4. What is the base class from which all web forms inherit?
(a) Master page (b) Data page
(c) Page class (d) Session class
5. Which of the following component is used for working with data and database in .net framework?
(a) Metadata (b) ADO.NET
(c) VB.NET (d) C# .NET
6. _____ method is used to change the data in the database such as an update, delete, or insert statements.
(a) ExecuteReader()
(b) ExecuteScalar()
(c) ExecuteXML()
(d) ExecuteNonQuery()

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7. The _____ is a specification for a distributed registry of web services.

- (a) UDI (b) UDDI
- (c) DDI (d) UDII

8. WSDL stands for _____

- (a) Web Server Description Language
- (b) Web Server Descriptor Language
- (c) Web Services Description Language
- (d) Web Services Descriptor Language

9. The _____ element in the web.config file to run code using the permissions of a specific user.

- (a) <password> element
- (b) <authentication> element
- (c) <authorization> element
- (d) <identity> element

10. Which object can help to maintain the data across users?

- (a) Application object (b) Session object
- (c) Response object (d) Server object

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PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

11. (a) Explain the architecture of .net framework.

Or

(b) Explain the for loop statement with example.

12. (a) Describe the ASP.NET classes with example.

Or

(b) Elucidate the auto post back control in ASP.NET with example.

13. (a) Discuss the characteristics of ASP.NET with example.

Or

(b) Discuss the data grid control in ASP.NET with example.

14. (a) Explain the architecture of web services in ASP.NET.

Or

(b) How do you document the web service? Explain it.

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15. (a) Write a short on data caching in ASP.NET with example.

Or

- (b) Explain the windows authentication in ASP.NET.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

16. (a) Enumerate the various data types in ASP.NET.

Or

- (b) Illustrate the loop structures in ASP.NET.

17. (a) Write a ASP.NET program to perform arithmetic operation.

Or

- (b) Demonstrate the validation using validation control in ASP.NET.

18. (a) Discuss the data reader object in ADO.NET with example.

Or

- (b) Demonstrate the data binding with database in ASP.NET.

19. (a) Explain the concepts of communicating with a web service with example.

Or

- (b) Explain the web service data types in ASP.NET with example.

20. (a) Discuss the performance test in ASP.NET with example.

Or

- (b) Discuss the form authentication in ASP.NET with example.

