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Reg. No. :

Code No.: 6062

Sub. Code: ZCAM 23

M.C.A.(CBCS) DEGREE EXAMINATION, APRIL 2023.

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. NET Classes are contained in
 - (a) Namespace
 - (b) CLR
 - (c) Assemblies
 - (d) NET Class Library
2. In VB.NET to resize the array and retain the content of array.
 - (a) Dim My Array (10,10)
 - (b) ReDim My Array (10,10)
 - (c) My Array (10,10)
 - (d) ReDim Preserve My Array (10,10)

3. _____ is a web control property to display a text message where the user hovers the mouse above the control.

- (a) Button
 - (b) Tab Index
 - (c) Tool Tip
 - (d) icon

4. Which technology allows VB.NET to collapse a structure, block structure or a region to a single line.

- (a) Intelligence
 - (b) Member list
 - (c) Outlining
 - (d) Block completion

5. In a connection string _____ represents name of the database.

- (a) Data Source
 - (b) Initial catalog
 - (c) Catalog Initial
 - (d) Database

6. The first record in a dataset has a position property of

- (a) Zero
 - (b) Any value defined by the programmer
 - (c) one
 - (d) All the above

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7. Which of the following languages is an XML format that describes the interface to web services, including the data formats?

- (a) HTML
- (b) WSDL
- (c) DHTML
- (d) XML

8. Which of the following is an object that provides local representation of a remote web service?

- (a) FTP service
- (b) Web service proxies
- (c) Web form
- (d) HTTP service

9. _____ stores a copy of the finally rendered HTML pages or part of pages sent to the client.

- (a) Output caching
- (b) Data Caching
- (c) Object caching
- (d) Class caching

10. It involves encrypting the channel between the client browser and the web server.

- (a) Authentication
- (b) Authorization
- (c) confidentiality
- (d) Integrity

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Compare C# and VB.NET.

Or

(b) Write about Scope and Accessibility.

12. (a) Describe Code-Behind with example

Or

(b) Describe the tag for the Validator Control

13. (a) Discuss ADO.NET Namespace

Or

(b) Describe Creating a Connection and connection String.

14. (a) Describe the web service communication.

Or

(b) Write about Proxy Class.

15. (a) Describe Custom Control.

Or

(b) Write about Caching.



PART C — (5× 8= 40 marks)

Answer ALL questions, choosing either (a) or (b)
Each answer should not exceed 600 words.

16. (a) Explain data types in ASP.NET

Or

- (b) Write a VB.NET Program to implement the property and display a page with text, Image and Link.

17. (a) Explain Global.asax code behind and the Application Events.

Or

- (b) Explain about Calendar Control.

18. (a) Explain ADO.NET Object Model.

Or

- (b) Write a ADO.NET Program to Insert and Update a record into the student database with the column of stu-name, Roll-no, M1,M2,M3, Tot.

19. (a) Explain WSDL Architecture

Or

- (b) Write an ASP.NET Program to implement a simple web service?

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20. (a) Explain ASP.NET Security Model.

Or

- (b) Write an ASP.NET Program to create user control and add it to the page?

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