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Reg. No. :

Code No. : 5716

Sub. Code : ZCSM 21

M.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2022

Second Semester

Computer Science — 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. _____ is the .NET routine engine that executes all .NET program.

(a) .NET class library
(b) CLR in .NET
(c) ASP.NET
(d) VS.NET

2. Which features allows to create a variable that refers to a procedure?

(a) Polymorphism (b) Inheritance
(c) Overloading (d) Delegates

3. ASP.NET web services file ends with _____ extension.

(a) .asax (b) .ascx
(c) .aspx (d) .asmx

4. Which symbol matches one character in a range of valid characters?

(a) [^] (b) []
(c) () (d) | |

5. _____ provides a bridge between the front-end controls and the back-end database.

(a) ASP.NET (b) ADO.NET
(c) VB.NET (d) C#.NET

6. Which Namespace is used to create an ASP.NET application with oracle as the database

(a) System.data.sqlserver
(b) System.data.oledb
(c) System.data.sqlclinet
(d) System.data.microsoft



7. Which standard is the preferred way to encode information before sending it to or from a web service?

- (a) WSDL (b) SOAP
(c) DISCO (d) UDDI

8. Which text file that contains the webservice code?

- (a) .aspx (b) .asmx
(c) .asax (d) .ascx

9. _____ are containers into which you can put markup and web server controls.

- (a) Server controls (b) Custom controls
(c) User controls (d) Web controls

10. Which technology is used to encrypt communication between a client and a web site?

- (a) HTTPS (b) HTTP
(c) SSL (d) TLS

PART B — (5 × 5 = 25 marks)

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

11. (a) Describe .NET programming framework.

Or

(b) Write about scope and accessibility.

12. (a) Draw the flowchart for the stages in an ASP.NET request.

Or

(b) Describe the tag for the validator control.

13. (a) Describe ADO.NET namespace.

Or

(b) Write a ASP.NET program to implement data grid control to display stu-name, roll-no, and % of mark.

14. (a) Describe the web service communication.

Or

(b) Write about UDDI.



15. (a) Describe three-tier design in .NET component.

Or

- (b) Write about user control.

PART C — (5 × 8 = 40 marks)

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

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

Or

- (b) Explain .NET namespace and assemblies.

17. (a) Explain ASP.NET file types.

Or

- (b) Explain about calendar control.

18. (a) Explain sending mail and adding attachment.

Or

- (b) Explain DataGrid and data list control.

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19. (a) Explain WSDL architecture.

Or

- (b) How to create web reference in VB.NET?

20. (a) How to create a simple component? Explain with example.

Or

- (b) Explain data caching.

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