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**Reg. No. :** .....

**Code No. : 6621**

**Sub. Code : KCSM 21/  
PCSM 21**

M.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2021.

Second Semester

Computer Science

**WEB APPLICATION DEVELOPMENT**

(For those who joined in July 2016 and afterwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Code that target the common language Runtime is known as \_\_\_\_\_
  - (a) Unmanaged
  - (b) Distributed
  - (c) Native code
  - (d) Managed code

2. The object of one class acquire the property of object of another class, this process is known as
- (a) Inheritance
  - (b) Data Hiding
  - (c) Polymorphism
  - (d) Multithreading
3. What is the qualified name of the base class of all server control?
- (a) System.Web.UI.Controls
  - (b) System.Web.UI
  - (c) System.Controls
  - (d) None
4. C# code is stored in \_\_\_\_\_ file.
- (a) .vb
  - (b) .cs
  - (c) .aspx
  - (d) .asax
5. Which object works on client side in state management system?
- (a) View State
  - (b) Cookies
  - (c) Query Strings
  - (d) All of the above

6. Which of the following validation control is used to ensure that an user does not skip a form entity field?
- (a) Compare Validator
  - (b) Required Field Validator
  - (c) Range Validator
  - (d) Regular Expression Validator
7. To use the .NET framework data provider for SQL server, an application must refer the \_\_\_\_\_ namespaces.
- (a) System.Data.Client
  - (b) System.Data.SqlClient
  - (c) System.Data.Sql
  - (d) System.Data
8. \_\_\_\_\_ object is used to fill a DataSet/DataTable with query result in ADO.net.
- (a) DataReader                      (b) DataContent
  - (c) DataAdapter                    (d) All of these
9. Select the control which does not have any visible interface
- (a) Datalist                          (b) Dropdown list
  - (c) Repeater                        (d) Datagrid

10. What is the full form of WSDL?
- (a) Web System Description Language
  - (b) Web Services Detail Language
  - (c) Web Service Description Language
  - (d) None

PART B — ( $5 \times 5 = 25$  marks)

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

Each answer should not exceed 250 words.

11. (a) Describe in detail about conditional structure with an example.

Or

- (b) Write short notes on manipulate a string using object.

12. (a) Mention the ASP.NET File types with an example.

Or

- (b) Discuss about Global.asax file.

13. (a) Illustrate on application state with an example.

Or

- (b) Determine about Regular Expression Validator with suitable program.

14. (a) Explain about how to create a connection with database table in ASP.NET.

Or

- (b) Can you explain about HTTP ServerUtility Object.

15. (a) Explain in detail note on DataGrid control with an example.

Or

- (b) Write short notes on UDDI.

PART C — ( $5 \times 8 = 40$  marks)

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

Each answer should not exceed 600 words.

16. (a) Write a short notes on .NET class library.

Or

- (b) Elucidate the advanced class programming in ASP.NET.

17. (a) Summarize about how the Auto Postback works. Give an example.

Or

- (b) Explain briefly about the ASP.NET applications.

18. (a) Define validation. List out the different types of validation controls in ASP.NET.

Or

- (b) Write an ASP.NET program to create an Election Form validation in school. The form contain the fields such as Name of the candidate, House like Red, Blue, Yellow, Green and class from 6 to 12 standards, Email-Id.

19. (a) Illustrate about ASP.NET Intrinsic objects.

Or

- (b) Write an ASP.NET program to retrieve the EMPLOYEE detail from table.

20. (a) Explain how to creating a Web services.

Or

- (b) Elucidate how to work with Data List control given a suitable example.

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