**18CS604**

**Hall Ticket Number:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **III/IV B.Tech (Regular) DEGREE EXAMINATION** | | | |
| **August, 2021** | **Computer Science & Engineering** | | |
| **Sixth Semester** | **Middleware Technologies** | | |
| **Time:** Three Hours | | **Maximum: 5**0 Marks | |
| *Answer Question No. 1 Compulsorily.* | | | (10X1 = 10 Marks) |
| *Answer* ***ANY ONE*** *question from each Unit.* | | | (4X10=40 Marks) |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. | a) | List the available list controls in ASP.NET. | CO1 | |  |
|  | b) | What is Query String? | CO1 | |  |
|  | c) | What is State management in ASP.NET? | CO2 | |  |
|  | d) | Define Cookie. | CO2 | |  |
|  | e) | What is Grid View? | CO3 | |  |
|  | f) | What are the types of Data Binding? | CO3 | |  |
|  | g) | What is the use of Master Page? | CO3 | |  |
|  | h) | What is MVC architecture? | CO4 | |  |
|  | i) | What is the need for a WCF Service? | CO4 | |  |
|  | j) | Define Web Server. | CO4 | |  |
| **Unit - I** | | | | | |
| 2. | a) | Discuss in detail about the building blocks of .NET? | CO1 | **5M** | |
|  | b) | Explain about various Web Control Classes in ASP.NET with an example application. | CO1 | **5M** | |
|  |  | **(OR)** |  |  | |
| 3. | a) | Create an application in ASP.NET that accepts the Username, Password from the user. | CO1 | **5M** | |
|  | b) | Design an ASP.NET application to display a table dynamically. | CO1 | **5M** | |
| **Unit – II** | | | | | |
| 4. | a) | Explain the State Management Techniques used in ASP.NET | CO2 | **5M** | |
|  | b) | Discuss about AdRotator class with an example. | CO2 | **5M** | |
|  |  | **(OR)** |  |  | |
| 5. | a) | Explain different types of Styles available in ASP.NET | CO2 | **5M** | |
|  | b) | Design a login form to demonstrate ASP.NET validation controls | CO2 | **5M** | |
| **Unit – III** | | | | | |
| 6. | a) | Explain Data Binding with ADO.NET with an example. | CO3 | **5M** | |
|  | b) | Discuss about Gridview control with an example | CO3 | **5M** | |
|  |  | **(OR)** |  |  | |
| 7. | a) | Create an application to display student details from student table using Direct Data Access | CO3 | **5M** | |
|  | b) | List the differences between Datareader and Dataset. | CO3 | **5M** | |
| **Unit – IV** | | | | | |
| 8. | a) | Discuss about LINQ to Object with an example application | CO4 | **5M** | |
|  | b) | Discuss about LINQ to SQL with an example application | CO4 | **5M** | |
|  |  | **(OR)** |  |  | |
| 9. | a) | Create a Simple Data-Entry Application with the use of Model View controller. | CO4 | **5M** | |
|  | b) | Discuss in detail about WCF service. | CO4 | **5M** | |

****