**18CS604**

**Hall Ticket Number:**

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| **III/IV B.Tech (Regular/Supplementary) DEGREE EXAMINATION** | | | |
| **June, 2022** | **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) |

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| 1. | a) | What is CLS? | CO1 | |  |
|  | b) | List out any Four Asp.Net File types. | CO1 | |  |
|  | c) | Define View-state. | CO2 | |  |
|  | d) | Define Server Side Validation. | CO2 | |  |
|  | e) | What is Rich Controls? | CO2 | |  |
|  | f) | What is the HTML tag for image button? | CO1 | |  |
|  | g) | Write the syntax of SQL delete statement. | CO3 | |  |
|  | h) | Define Data binding. | CO3 | |  |
|  | i) | What is the full form of LINQ? | CO4 | |  |
|  | j) | Differentiate distributed application and Interoperable application. | CO4 | |  |
| **Unit - I** | | | | | |
| 2. | a) | Explain .NET Framework with neat diagram. | CO1 | **5M** | |
|  | b) | Explain about ASP.NET Web controls. | CO1 | **5M** | |
|  |  | **(OR)** |  |  | |
| 3. | a) | Design an ASP.NET application to develop Multiple select list controls. | CO1 | **5M** | |
|  | b) | Explain in detail about Enabling Tracing. | CO1 | **5M** | |
| **Unit - II** | | | | | |
| 4. | a) | Design an ASP.NET application to give an example of View state. | CO2 | **5M** | |
|  | b) | List and explain various Validator controls. | CO2 | **5M** | |
|  |  | **(OR)** |  |  | |
| 5. | a) | Explain Restricted Dates in a Calendar. | CO2 | **5M** | |
|  | b) | Explain various Style types in web pages. | CO2 | **5M** | |
| **Unit - III** | | | | | |
| 6. | a) | Explain in detail about using Direct Data Access in ADO.NET with neat diagram. | CO3 | **5M** | |
|  | b) | Explain about Data binding with simple list controls. | CO3 | **5M** | |
|  |  | **(OR)** |  |  | |
| 7. | a) | Explain sorting and Paging in Grid view. | CO3 | **5M** | |
|  | b) | Explain Form view in data controls. | CO3 | **5M** | |
| **Unit - IV** | | | | | |
| 8. | a) | Explain LINQ to Objects with an example program. | CO4 | **5M** | |
|  | b) | Discuss in detail about WCF services. | CO4 | **5M** | |
|  |  | **(OR)** |  |  | |
| 9. |  | Explain about MVC in detail. Design an application to create a simple Data- Entry using MVC. | CO4 | **10M** | |
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