COER University
END SEMESTER EXAMINATION, EVEN SEM 2022-23

Time : 3 hours   Total Marks : 100
Program Name : MCA   Semester : IV
Course Name : Dot Net Technology   Course Code : SOC652

Note: All questions are compulsory. No student is allowed to leave the examination hall before the completion of the time.

Q. No 1	Attempt Any Four Parts. Each Question Carries 5 Marks.	CO	BL
(a)	Explain the advantages of .NET technology and elaborate its features.	CO 1	2
(b)	Describe in detail the managed execution in .NET.	CO 1	2
(c)	Describe assemblies in .NET? Explain their purpose.	CO 1	2
(d)	Discuss the concept of garbage collection in .NET.	CO 1	2
(e)	Define the .NET Framework and its components.	CO 1	1

Q. No 2	Attempt Any Four Parts. Each Question Carries 5 Marks.	CO	BL
(a)	How do you generate console output in C#? Provide an example	CO 2	1
(b)	Explain how console input is processed in C#.	CO 2	2
(c)	Construct a program that demonstrates exception handling in C#.	CO 2	6
(d)	How do you use the Reflection API in C#?	CO 2	2
(e)	Explain the concept of inheritance in C# with an example code snippet.	CO 2	2

Q. No 3	Attempt Any Four Parts. Each Question Carries 5 Marks.	CO	BL
(a)	Implement a C# program that uses GDI+ to draw basic shapes (e.g., circles, rectangles) on a Windows Form.	CO 3	3
(b)	Implement error handling in a C# program by using try-catch blocks to handle potential exceptions in window based applications.	CO 3	3
(c)	Differentiate generic and non-generic collection in C#.net with suitable example.	CO 3	4
(d)	Write a C# program to read data from a file and perform string manipulation operations on the read data.	CO 3	3
(e)	Define events in C# and explain their role in programming.	CO 3	1

Q. No 4	Attempt Any Two Parts. Each Question Carries 10 Marks.	CO	BL
(a)	Explain how to access data from a SQL Server database using ADO.NET in an ASP.NET application.	CO 4	2
(b)	Explain the role of a Data Source Control in ADO.NET.	CO 4	2
(c)	Explain with example the concept of data binding in ADO.NET using the Sql Data Source control.	CO 4	2

Q. No 5	Attempt Any Two Parts. Each Question Carries 10 Marks.	CO	BL
(a)	How do validation controls help ensure the validity of user input?	CO 5	2
(b)	What are the advantages of using ASP.NET for web development?	CO 5	1
(c)	Explore the configuration options in ASP.NET. How can 'web.config' files be used to manage application settings and behavior?	CO 5	2

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