000405

PRN:	Course Code:	PCA402

SecondYear **M.C.A.** End(IV) Semester Examination Winter 2024

.NET Programming

Day and Date: Fri 22 Nov 2024 Max Marks: **100**

Time: 02:00PM To 05:00PM Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Explain .NET Framework with diagram	08	L2	CO1
	b)	Illustrate Three Types of JIT Compiler perform task in .NET.	08	L2	CO4
		OR			
	b)	How .exe and .dll file form in .NET Framework.	08	L1	CO4
Q.2		**Attempt the following**			
	a)	Define the concept of class and object in c# with example.	08	L1	CO3
	b)	What is meant by Abstraction and Encapsulation with Example in c#.NET	08	L1	CO1
		OR			
	b)	List and explain Data type in c# with example.	08	L1	CO3
Q.3		**Attempt any two from the following**			
	a)	Discuss Validation controls in ASP.NET.	08	L6	CO4
	b)	Elaborate Inheritance in c#.NET	08	L1	CO4
	c)	Tell the concept of Polymorphism in c#.NET	08	L1	CO2
Q.4		**Attempt any two from the following**			
	a)	Design Menu control and Data Controls with example.	08	L6	CO2
	b)	List and explain Basic Controls and Dialog controls,	08	L1	CO4
	c)	What is Multiple Document Interface (MDI) Windows forms in .NET	08	L1	CO4
Q.5		**Attempt any Two of the following**			
	a)	Explain Web forms life cycle with diagram	09	L6	CO1
	b)	Show Exception is handled in c#.NET.	09	L2	CO2
	c)	Classify Data Reader and Dataset.	09	L4	CO4
Q.6		**Attempt any Two of the following**			
	a)	Discuss ADO.NET Architecture in detail.	09	L6	CO3
	b)	Compare managed and unmanaged code in .NET.	09	L2	CO4
	c)	What is state management in ASP.NET like Session and Caching?	09	L1	CO2

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