

**PARUL UNIVERSITY**  
**FACULTY OF ENGINEERING & TECHNOLOGY**  
**Diploma Engineering, Mid semester Examination**

**Semester:**  
**Subject Code: 03606260**  
**Subject Name: .Net Programming**

**Date: (07/01/2023)**  
**Time: (1hr: 30min)**  
**Total Marks: 40**

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered to be Authentic.

<b>Q.1</b>	<b>Answer any six out of Ten. (2 Marks Each)</b>	<b>(12)</b>
	1. Explain C# IDE layout.	
	2. Explain OUT Keyword with Example.	
	3. List out Types of operator.	
	4. Explain Explicit Type Casting.	
	5. List out features of .Net Programming Language.	
	6. What is Boxing?	
	7. Explain comparison operator.	
	8. Explain Reference type data type.	
	9. Explain CLR execution process.	
	10. Define Type conversion methods.	
<b>Q.2</b>	A) Explain Boxing & Unboxing with Example.	<b>(03)</b>
	<b>OR</b>	
	A) Explain Implicit and Explicit type casting with example.	<b>(03)</b>
	B) Difference between OOP, POP & Even Driven Programming Language.	<b>(03)</b>
	<b>OR</b>	
	B) Explain .Net Architecture with it's Diagram.	<b>(03)</b>
	C) Write a C# program to display week of the day using switch case statement.	<b>(04)</b>
	<b>OR</b>	
	C) Write a C# program to perform swap two numbers without third variable using pass argument by REF keyword.	<b>(04)</b>
	D) Explain Jagged Array with Example.	<b>(04)</b>
<b>Q.3</b>	A) Explain Method Overloading with Example.	<b>(03)</b>
	<b>OR</b>	
	A) Explain Private Access Modifier with Example.	<b>(03)</b>
	B) Define all conditional structure statements with syntax.	<b>(03)</b>
	<b>OR</b>	
	B) Define all Looping structure statements with syntax.	<b>(03)</b>
	C) Write a C# program to display 2*2 matrix using an array.	<b>(04)</b>
	<b>OR</b>	
	C) Write a C# program to count total number of words from a string.	<b>(04)</b>
	D) Explain Parameter Array with Example.	<b>(04)</b>

