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P.E.S. College of Engineering, Mandya - 571 401 (An Autonomous Institution affiliated to VTU, Belagavi) Fifth Semester, Master of Computer Applications (MCA) Semester End Examination; Dec - 2017/Jan - 2018 Programming using C# & .NET Time: 3 hrs Max. Marks: 100		
	: Answer FIVE full questions, selecting ONE full question from each unit.	
11010	UNIT - I	
1 a.	Explain the features of .NET framework.	
	Explain the following :	
0.	i) CLR ii) .NET class library iii) Metadata and assemblies.	
2 a.	List out the differences between value type and reference type.	
_ u.	With the help of a general syntax, explain the working of switch statement. Give suitable	
	example.	
c.	With the help of a general syntax, explain the working of for-each loop structure. Give	
	suitable example.	
d.	Explain different data types used in C#.	
	UNIT - II	
3 a.	Write the purpose of any five namespaces.	
b.	Explain different types of method parameters modifiers.	
c.	Explain the static property.	
4 a.	Write a C# program to count the number which is divisible by 5 and 8 given in a matrix.	
b.	With the help of a general syntax, explain structs.	
c.	What is the need of constructors? Illustrate parameterized constructors.	
	UNIT - III	
5 a.	With the help of a suitable example, explain accessors and mutators.	
b.	With the help of a suitable example, explain sealed class and sealed method.	
6 a.	With the help of a suitable example, explain overloading and overriding.	
b.	Explain the following with simple examples :	
	i) throw ii) try-catch iii) try-finally.	
-	UNIT - IV	
	What is meant by events? Design a simple event driven GUI.	
b.	Explain the following components: i) Label ii) TextBox iii) Button iv) CheckBox.	
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8 a.	Write a note on control properties and layout. Write a menu driven application to change text font and color	
b.	Write a menu-driven application to change text font and color. UNIT - V	
9 a.	What is DataSet? Explain its components.	
9 a. b.	Explain the steps required to retrive the data from SQL server.	
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10 a.	Explain the steps required to build the Webtime application.	