Reg. No. :					

## **Question Paper Code: 59208**

## B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2019

		Ele	ective		
		Computer Scien	ce and Engineering		
	1	5UCS908- C# ANI	O .NET FRAMEWORK		
		(Regula	ation 2015)		
Dura	ation: Three hours			Maximum: 10	0 Marks
		Answer A	LL Questions		
		PART A - (S	5x 1 = 5 Marks		
1.	Which of the following assemblies into process	1	CO1 -R		
	(a) gacutil	(b) ngen	(c) sn	(d) dumpbin	
2.	Which of the followi unused references from	_	nts can be used to remove o?	•	CO1 -R
	(a) Common Languag	e Infrastructure	(b) CLR		
	(c) Garbage Collector		(d) Class Loader		
3.	Code that targets the C		CO1 -R		
	(a) Unmanaged	(b) Distributed	(c) Legacy	(d) Managed	Code
4.	A derived class can override as	stop virtual inhe	eritance by declaring ar	1	CO2 -R
	(a) Inherits	(b) Extends	(c) Sealed	(d) Inheritab	ole
5.	What is the connection Authentication in SQI		ne pair for using Windows QL Server 2005?	8	CO5 -R
	(a) 1, 2	(b) 1, 2, 3	(c) $2, 3$	(d) 1, 4	
		PART – B (5	5 x 3= 15Marks)		
6.	Explain null able type		CO1- U		
7.	Write a program in C#		CO1 -U		

8. What is Managed or Unmanaged Code? CO1 -U 9. Define subscriber deign pattern with an example. CO2 -R 10. Develop a web application to display Registration number. CO5 -App PART - C (5 x 16= 80Marks) 11. (a) Write a C# program that determines a student's grade. The CO1-App (16)program will read three types of scores (quiz score, mid-term score, and final score) and determine the grade based on the following rules: (i) If the average score  $\geq 90\% = \text{grade} = A$ (ii) If the average score  $\geq$ = 70% and grade=B (iii) If the average score>=50% and grade=C (iv) If the average score grade=F. Or (b) Write a C# program to find the minimum and maximum element CO1- App (16)of an array. The array should have both positive and negative elements. Irrespective of the elements, your program should find maximum number when all numbers are made positive and minimum number when all numbers are made negative. 12. (a) Explain various operator overloading in C# with example CO2-U (16)program. Or (b) Discuss about constructors and its types with example programs. CO2 -U (16)CO3 -App 13. (a) Write a program to accept a number from the user and throw an (16)exception if the number is not an even number. Or (b) Consider a student class with feet and inches as attributes which CO3- App (16)describes the height of the student. Write a C# program to overload the + operator and to find the average of N students. 14. (a) Develop the window application for user valid Login ID using CO4 -App (16)handling exception.

Or

(b) Write a Program to create web based application for adding

controls and events in asp.net.

CO4 -App

(16)

15. (a) Develop a menu-driven application using File Menu option and CO5 -App (16) about Menu Option. Demonstrate the execution model using an example.

Or

- (b) Create an application How is the book ASP.NET with c# by CO5 -App (16) Vipul Prakashan?" Give the user three choices.
  - (i) Good
  - (ii) Satisfactory
  - (iii) Bad. Provide a VOTE button. After user votes, present the result in percentage using labels next to the choices.