B.Sc. (Part—III) Semester—V Examination COMPUTER APPLICATIONS/INFORMATION TECHNOLOGY

(Programming in C #)

Time: T	hree	Hours]		[Maximum Marks : 8	30
Note :-	(2)	ALL questions are compulsory. Question No. 1 carries 8 marks and all Assume suitable data wherever necessar		questions carry 12 marks.	
1. (a)	Fill	in the blanks:			2
	(i)	CLR stands for			
	(ii)	< = is an operator.			
	(iii)	A mechanism of giving special meaning	to ar	operator is called	
		Mutable strings are also known as			
(b)	Cho	pose the correct alternative :			2
	(i)	Which operator among the following sig	gnifies	the destructor operator?	
		(a) ::	(b)	:	
		(c) ~	(d)	&	
	(ii)	Which of the following is an incorrect s	statem	ent about delegate?	
		(a) A single delegate can invoke more	than	one method	
		(b) Delegates could be shared			
		(c) Delegates are type safe wrappers for	or fun	ction pointers	
		(d) Delegate is a value type			
	(iii)) Valid size of float data type is :			
		(a) 10 Bytes	(b)	6 Bytes	
		(c) 4 Bytes	(d)	8 Bytes	
	(iv)	Which one of the following statements	is cor	rect ?	
		(a) Array elements can be of integer ty	pe or	nly	
		(b) Default value of numeric array eler	ment i	s zero	
		(c) Array elements are always sorted b	y defa	ault	
		(d) Array always initialize in () brack	et		
(c)	Ans	swer the following in one sentence:			4
	(i)	What is String?			
	(ii)	What is Operator ?			
	(iii)) Define Literals.			
	(iv)) Define Event.			

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2.	(a)	Explain characteristics of C # Programming in detail.	6
	(b)	Explain .NET framework in detail.	6
		OR	
3.	(a)	Describe evolution of C #.	6
	(b)	Explain benefits of the .NET approach.	6
4.	(a)	Explain programming structures of C #.	6
	(b)	Explain boxing and unboxing in detail with suitable example.	6
		OR	
5.	(a)	Explain command line argument with suitable example.	6
	(b)	What is variable? How we declare and initialize variable?	6
6.	(a)	Explain arithmetic and logical operators.	6
	(b)	Explain for each statement with program.	6
		OR	
7.	(a)	Explain:	
		(i) Evaluation of expression	
		(ii) Precedence of arithmetic operators.	6
	(b)	Explain switch statement with its syntax and example.	6
8.	(a)	Explain comparing string with example.	4
	(b)	Explain finding substrings.	4
	(c)	Explain output parameters.	4
		OR	
9.	(a)	Explain method overloading in detail.	6
	(b)	What is an array? Explain array list class.	6
10.	(a)	State and explain difference between classes and structs.	6
	(b)	Explain copy constructor with program.	6
		OR	
11.	(a)	Explain Read Only Member.	4
	(b)	What is enumerator? How to initialize enumerator?	4
	(c)	Explain the concept of properties with example.	4
12.	(a)	What is operator overloading? Explain need for operator overloading.	6
	(b)	What is delegate? Explain multicast delegate.	6
		OR	
13.	(a)	Explain interface and inheritance with suitable example.	6
	(b)	Explain:	
		(i) Standard numeric format	
		(ii) Custom numeric format.	6