

TYBSC TT Paper / Subject Code: 70801 / C#.

(3 Hours)

[Total Marks: 100]

Q.P. CODE: 35224

Ν	. B	()	 Question No. 1 is compulsory. Attempt any four from Question Nos. 2 to 7. Makesuitable assumptions wherever necessary and state the assumptions Answers to the same question must be written together. Numbers to the right indicate marks. Draw neat labeled diagrams wherever necessary. 	made.
				5
	1	а	Write short note on .NET framework.	5
		b	List and explain various data types in C#	5
		C	Explain about command line arguments in their.	5
		d	Explain enumerations with example.	
	•		and the print the following pattern using nested for loop.	8
	2	а		
			3 2	
			5 4 3	
			7654	
				6
		1-	To the various types of constructors with example.	6
		b	Explain relational and logical operators in detail.	-
		С	Explain relational systems	8
	3	а	What is a loop? Explain 'while' loop and 'foreach' loop with example. List various types of method parameters in c#. Explain any two of them with	6
		b	List various types of motion part	6
			example.	·
		С	Write short notes on:	
			i. Variable size array	
			ii. ArrayList class	8
	4	а	Write a program to create an abstract class Car with data members manufacturer, model and price. Include relevant constructors for the manufacturer, model and price. It also has an abstract method initialization of these data members. It also has an abstract method initialization of these data members.	O
			primeFeatures() for displaying the prime to derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derive another class called LuxuryCar which has bool type data members derived and type data members derived another class called LuxuryCar which has bool type data members derived and type data members derived another class called LuxuryCar which has bool type data members derived another class called LuxuryCar which has been derived another class called LuxuryCar which has	
			navigation_system to record whether these leatures from Main method. Create an object of LuxuryCar and print its features from Main method. Create an object of LuxuryCar and abstract classes.	^
			Create an Object of Luxury out and print	6
		h	Create an object of Euxtry our arts provided and provided	, 6
		b	the difference between method over	
		С	Explain method overriding with example.	
			Explain means	

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5	a b	if the input string is "bharat sanchar nigam limited", its abbreviation will be printed as "BSNL". Explain inclusion polymorphism with example.	6
	С	What is an Indexer? Explain read-write Indexer with an example.	6
6	а	What is a delegate? Explain multicast delegate with an example.	8
	b	Write short notes on each of the following: i general catch handler	6
		ii. finally block	
	С	iii. checked exceptions What is the general format of the standard numeric format? Explain currency formatting and integer formatting with example.	6
7	а	Design a class ComplexNumber with two integer data members that represent real and imaginary parts of a complex number. Include relevant constructors and a method to display a complex number in "real+i imaginary" format. Also define relevant operator methods inside the ComplexNumber class to perform the following operations from the Main method. ComplexNumber c1=new ComplexNumber(3,4); ComplexNumber c2=new ComplexNumber(8,1);	8
		ComplexNumber c3=c1+c2;	
		ComplexNumber c4=c1-c2; c4++;	
	b	What are immutable strings? Explain methods of String class, for comparing	6
	С	What are interfaces? Explain explicit interface implementation with example.	6