



Enrollment No.....

Faculty of Engineering

End Sem (Even) Examination May-2019

IT3CO16 Computer Programming-III (.Net)

Programme: B.Tech.

Branch/Specialisation: IT

Duration: 3 Hrs.**Maximum Marks: 60**

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d.

- Q.1 i. Code that targets the Common Language Runtime is known as **1**
 (a) Unmanaged (b) Managed Code
 (c) Legacy (d) Distributed
- ii. Choose the Wrong statements about enum used in C#.NET? **1**
 (a) An enum can be declared inside a class
 (b) An object cannot be assigned to an enum variable
 (c) An enum can be declared outside a class
 (d) An enum can have Single and Double values
- iii. Which of these keywords is not a part of exception handling? **1**
 (a) Try (b) Finally (c) Thrown (d) Catch
- iv. Which of these methods of Thread class is used to Suspend a thread for a period of time? **1**
 (a) sleep() (b) terminate() (c) suspend() (d) stop()
- v. Windows Forms _____ controls are used to resize docked controls at run time. **1**
 (a) Timer (b) Splitter
 (c) ContextMenuStrip (d) SplitContainer
- vi. Which of the following layout is not available in WPF? **1**
 (a) StackPanel (b) Canvas (c) Grid (d) Table
- vii. Syntax for closing and opening the connection in ADO.net is **1**
 (a) sqlConn.Open() and sqlConn.close()
 (b) sqlConn.open() and sqlConn.Close()
 (c) sqlConn.Open() and sqlConn.Close()
 (d) None of these
- viii. _____ is considered to be one of the foundations of data access in the Microsoft world. **1**
 (a) ODBC (b) OLEDB (c) JPCD (d) ADO

- ix. The most popular way to materialize XML documents is to use: **1**
 (a) DTD (b) HTML (c) XSLT (d) SOAP
- x. Mode of storing ASP.NET session is **1**
 (a) InProc (b) StateServer
 (c) SQL Server (d) All of these
- Q.2 i. Define CLR and list down the features of CLR. **2**
 ii. What is namespaces? Name any two namespaces of .NET framework. **3**
 iii. Explain the .NET framework architecture with neat diagram **5**
- OR iv. Explain the implementation of polymorphism in C# with an example. **5**
- Q.3 i. What is Delegates? brief **2**
 ii. What is an indexer? Explain its uses with example **3**
 iii. List any two system defined Exception and write C# code to overcome those Exception. **5**
- OR iv. Write a C# program for sorting an array of integers in the descending order. **5**
- Q.4 i. Write a window application using C# to display a message box. **3**
 ii. What are the differences between WPF and Windows Forms. **7**
- OR iii. Explain windows forms? Also describe its architecture in brief. **7**
- Q.5 i. What is the difference between OLEDB Provider and SqlClient? **3**
 ii. Write the steps required for establishing data base connectivity using ADO.NET. **7**
- OR iii. Explain in brief about the concept of data binding and data source control in ADO.NET. **7**
- Q.6 i. List the XML based standards used in web services. **2**
 ii. Write short notes: **8**
 (a) Document Type Definition
 (b) Document Object Model
- OR iii. List the different types of validation control supported in ASP.NET and explain them. **8**

Marking Scheme

IT3CO16 Computer Programming-III (.Net)

Q.1	i.	Code that targets the Common Language Runtime is known as (b) Managed Code	1
	ii.	Choose the Wrong statements about enum used in C#.NET? (d) An enum can have Single and Double values	1
	iii.	Which of these keywords is not a part of exception handling? (c) Thrown	1
	iv.	Which of these methods of Thread class is used to Suspend a thread for a period of time? (a) sleep()	1
	v.	Windows Forms _____ controls are used to resize docked controls at run time. (b) Splitter	1
	vi.	Which of the following layout is not available in WPF? (d) Table	1
	vii.	Syntax for closing and opening the connection in ADO.net is (c) sqlConn.Open() and sqlConn.Close()	1
	viii.	_____ is considered to be one of the foundations of data access in the Microsoft world. (b) OLEDB	1
	ix.	The most popular way to materialize XML documents is to use: (c) XSLT	1
	x.	Mode of storing ASP.NET session is (d) All of these	1

Q.2	i.	Define CLR and list down the features of CLR.	2
	ii.	Namespaces definition Name any two namespaces of .NET framework.	1 mark 2 marks
	iii.	Explain the .NET framework architecture with neat diagram	5
OR	iv.	Implementation of polymorphism in C# Example.	3 marks 2 marks

Q.3	i.	Delegates definition	2
	ii.	Indexer Its uses with example	2 marks 1 mark

	iii.	Any two system defined Exception and write C# code to overcome those Exception.	5
		Explanation	3 marks.
		Example	2 marks

OR	iv.	C# program for sorting an array of integers in the descending order.	5
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Q.4	i.	Window application using C# to display a message box. For program	3
	ii.	Differences between WPF and Windows Forms. 1 mark for each difference	7 (1 mark * 7)
OR	iii.	Windows forms Its architecture and diagram	2 marks 5 marks

Q.5	i.	Difference between OLEDB Provider and SqlClient 1 mark for each difference	3 (1 mark * 3)
	ii.	Steps required for establishing data base connectivity using ADO.NET. Stepwise marking	7
OR	iii.	Concept of data binding and data source control in ADO.NET Definition	7 3 marks
		Description	4 marks

Q.6	i.	XML based standards used in web services.	2
	ii.	Write short notes: (a) Document Type Definition (b) Document Object Model	8 4 marks 4 marks
OR	iii.	Types of validation control supported in ASP.NET Description	3 marks 5 marks
