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SARDAR PATEL UNIVERSITY

M.Sc.(Information Technology) Semester - II External Examination

PS02CINT03 : VISUAL PROGRAMMING

Date: 24-04-2015(Friday)

Time:02:30 P.M. to 05:30 P.M.

Max Marks: [70]

Q-1 Select the appropriate answer of the following questions.

[08]

- 1) Default namespace in C# is _____.
(A) Data (B) IO
(C) SYSTEM (D) Application
- 2) C# keyword "int" maps to which .Net type?
(A) System.Int16 (B) System.Int32
(C) System.Int64 (D) None of these
- 3) Automatic memory management in .NET is known as _____?
(A) Memory Collection (B) Garbage Collection
(C) Memory Management (D) None of these
- 4) _____ is used to convert MSIL into Native Code.
(A) CLR (B) CLS
(C) CTS (D) BCL
- 5) In WPF, Which language is used to express user interface?
(A) XML (B) WSDL
(C) XAML (D) C#
- 6) Which property is used to gets or sets a value indicating whether or not a thread is a background thread?
(A) IsAlive (B) IsBackground
(C) ThreadState (D) IsForeground
- 7) Which method do you invoke on the **SqlDataAdapter** object to load your dataset with data?
(A) Update (B) Gather
(C) Fill (D) Load
- 8) A class that cannot be inherited is what type of class?
(A) Sealed (B) Static
(C) Gather (D) Const

Q-2 Answer Following Questions. [Any seven]

[14]

1. Differentiate Managed code and Unmanaged code.
2. Explain For and ForeachLoop with sample code.
3. Differentiate Value Types and Reference Types.
4. What is the difference between Jagged Array and Two dimensional array?
5. Differentiate Connected & Disconnected Architecture of ADO.Net.
6. Highlight the functionalities of CLR.
7. Differentiate Array and ArrayList.
8. What is WPF? List the features of WPF.
9. Explain style in WPF.

Q-3

[A] Draw .Net Framework Architecture and also explain in detail. [6]

[B] What is Assembly? Discuss types of Assembly in detail. [6]

OR

[B] List different Pre-Processor directives available in C#. Explain any two. [6]

Q-4

[A] Write a note on use of Inheritance in C#. [6]

[B] Explain Polymorphism with sample C# program to implement method overriding. [6]

OR

[B] What is delegates? Write a C# program to publish and subscribe with delegate. [6]

Q-5

[A] Draw and explain ADO.Net Architecture in detail. [6]

Explain Following controls with Methods, events and Properties. [6]

[B] (A) Checked ListBox (B) Date Time Picker

OR

[B] Define Thread. List and explain different thread states in detail. [6]

Q-6

[A] List different Layouts of WPF application. Explain any two with sample code. [6]

[B] Explain Remote Objects and types of .NET Remotable Objects with an example. [6]

OR

[B] Write a note on Data Binding in XAML. [6]

