

Enrollment No.....



Faculty of Engineering
End Sem (Even) Examination May-2018
CS2CO13 Computer Programming - II

Programme: Diploma

Branch/Specialisation: CSE

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. Which of the following executes .Net code? 1
(a) CLS (b) MSIL (c) CTS (d) CLR
 - ii. Automatic memory management in .Net can perform: 1
(a) Allocating memory (b) Releasing memory
(c) Implementing finalize (d) All of these
 - iii. “A mechanism that binds together code and data in manipulates, and keeps both safe from outside interference and misuse. In short it isolates a particular code and data from all other codes and data. A well-defined interface controls the access to that particular code and data.” 1
(a) Abstraction (b) Polymorphism
(c) Inheritance (d) Encapsulation
 - iv. Which of these clauses will be executed even if no exceptions are found? 1
(a) Throws (b) Finally (c) Throw (d) Catch
 - v. To use the .NET Framework Data Provider for SQL Server, an application must reference the _____ namespace. 1
(a) System.Data.Client (b) System.Data.SqlClient
(c) System.Data.Sql (d) None of these
 - vi. _____object is used to fill a DataSet/DataTable with query results in ADO.net. 1
(a) DataReader (b) Dataset
(c) DataAdapter (d) DataTables

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- vii. What is the last event of web page life cycle? **1**
(a) Page_Load (b) Page_LoadComplete
(c) Page_Finish (d) Page_Unload
- viii. What happen in the Web Page when Init event occur? **1**
(a) ViewState is loaded on the page.
(b) Each child control of the page is initialized to its design time values.
(c) HTML is rendered.
(d) None of these
- ix. Which of the following works on client side? **1**
(a) ViewState (b) HiddenField
(c) ControlState (d) All of these
- x. Which file you should write for the connection string, so that you can access it in all the web pages for the same application? **1**
(a) In App_Data folder (b) In Web.config file
(c) In MasterPage file (d) None of these

- Q.2 i. Write advantage of .Net over previous language. **2**
ii. What are the building blocks of .Net? **3**
iii. What is .Net framework? Briefly explain components of .Net framework with neat sketch diagram. **5**
- OR iv. Write minimum five difference between VB and VB.Net **5**
- Q.3 i. What do you mean by form controls? Write properties and events of minimum four form controls. **4**
ii. What do you mean by assembly? Briefly explain private and shared assembly. **6**
- OR iii. What is Exception Handling? Explain with syntax and example. **6**
- Q.4 i. What is multithreading? How it can be implemented in .Net? **4**
ii. What do you mean by Data Adaptor, Data Set and Data Reader? Write a code to fill dataset with multiple tables. **6**
- OR iii. Write code for the following: **6**
Connection String, Selecting, Insertion, Deletion, Updation, Sorting

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- Q.5 i. Write minimum four differences between ASP and ASP.net. **4**
ii. What is IIS? Write working of it. Why it is required in web application? **6**
- OR iii. Design a web form using at least six form controls. Also write the properties and events of each used form control. **6**
- Q.6 Attempt any two:
- i. How session management can be achieved in ASP.Net web application? Explain with the help of suitable example. **5**
- ii. Why we use Web.config file? Write a code to bind data with grid control. **5**
- iii. How transaction can be handled in ASP.Net? Explain with example. **5**
