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**SARDAR PATEL UNIVERSITY**  
**M.Sc.-IT Master of Science in Information Technology**  
 Semester – III (NC) External Examinations, April 2018  
**PS03CINT04 – Distributed Application Development Technology (NC)**  
 Thursday, 19<sup>th</sup> April, 2018

Time: 10:00 a.m. to 01:00 p.m.

Max Marks: 70

Q1. Choose the most appropriate option for each question.

[8]

- i. The full form of UDDI is \_\_\_\_\_.  
 A) Universal Data , Description and Integration  
 B) Universal Data, Detection and Interaction  
 C) Universal Description, Discovery and Integration  
 D) Universal Data, Detection and Integration
- ii. In ASP.NET asmx is extension of a \_\_\_\_\_.  
 A) web page  
 B) web service  
 C) global file  
 D) database
- iii. \_\_\_\_\_ is used as validation for XML document.  
 A) PTD  
 B) DTP  
 C) PHP  
 D) DTD
- iv. XML is designed to be \_\_\_\_\_.  
 A) machine readable only  
 B) human readable only  
 C) both machine and human readable  
 D) None of these
- v. The extension of ASP.NET master page is \_\_\_\_\_.  
 A) master  
 B) asmx  
 C) asax  
 D) mstx
- vi. Which of the following controls require advertisement file?  
 A) AdControl  
 B) AdPlaceHolder  
 C) AdRotator  
 D) AdPutter
- vii. In Ado.Net ExecuteNonQuery() returns \_\_\_\_\_ type of value.  
 A) int  
 B) float  
 C) string  
 D) null
- viii. In ASP.NET \_\_\_\_\_ process grants or denies permission to the user.  
 A) authentication  
 B) authorization  
 C) localization  
 D) None of these

Q2. Answer the following questions (Any Seven):

[14]

- a. What is the use of SOAP in web service?
- b. Explain WSDL in brief.
- c. List and explain in one line data types of XML.
- d. What is XML schema?
- e. Discuss the use of delegate in C#.
- f. Explain IsPostBack in brief.
- g. What is a cookie?
- h. Discuss SqlConnection object in brief.
- i. List any two uses of Reflection class.

(P.T.O.)

**Q3. Answer the following questions:**

- a. Write a detailed note on web services. [6]
- b. Mention difference between XML and HTML. Also mention uses of XML in dot net. [6]

**OR**

- b. State full form of XSLT. Explain how XSLT transforms data with appropriate example. [6]

**Q4. Answer the following questions:**

- a. Draw and explain in detail dot net framework architecture. [6]
- b. Explain fundamentals of object oriented programming with C#. [6]

**OR**

- b. List and explain various phases of Asp.net web page life cycle. [6]

**Q5. Answer the following questions:**

- a. List and explain in detail any three standard control of ASP.NET with their properties and events. [6]
- b. Explain validation controls (i) RequiredFieldValidator, (ii) RangeValidator and (iii) CompareValidator in detail. [6]

**OR**

- b. Discuss any three data controls of ASP.NET with their properties and events in detail. [6]

**Q6. Answer the following questions:**

- a. Differentiate between DataReader and DataAdapter. Explain DataAdapter with suitable example. [6]
- b. What is MVC? Explain MVC architecture in detail. [6]

**OR**

- b. Write a detailed note on dot net remoting. [6]

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