

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2019

Course: .Net Technologies	Semester: Vth
Program: B.Tech. CSE-OS & OS	Time : 03 hrs.
Course Code: CSEG3010	Max. Marks: 100

Instructions:

SECTION A

S. No.	Question	Marks	CO
Q 1	Explain the architecture of ADO.NET.	4	CO 3
Q 2	Write a C# program code that read data from dataset and print all the data on console using DataReader.	4	CO 2
Q 3	Justify with an appropriate example that ADO.NET is having disconnected architecture.	4	CO 3
Q 4	Write a C# program to sort a list of names in chronological order.	4	CO 1
Q 5	Write a C# program code that convert two dimensional array into one dimensional array.	4	CO 1

SECTION B

Q 6	Describe how the following concepts have been implemented in C# (with suitable example). 1) Encapsulation 2) Inheritance	5+5	CO 2 CO 1
Q 7	a) Elaborates the steps involve in designing the window form GUI and write the C# for the following : 1) Request to add Item identification Number: 2) Item Name 3) Item Price 4) Quantity and save these details in Item table b) Elaborates the steps involve in designing the window form GUI and write the C# for the following : 1) Randomly generates three Number in three textboxes 2) Determine the prime number among them 3) Display the prime number in the message box	5+5	CO 3 CO 2
Q 8	Explain the following a) Windows Communication Foundation (WCF) services Vs Web Services. b) Describe Master page. Explain syntax of creating master page.	5+5	CO 4 CO 3

	OR		
	<p>Illustrate the following:</p> <p>a) UDDI</p> <p>b) SOAP</p>	5+5	
Q 9	<p>a) Describe the ASP life cycle.</p> <p>b) Demonstrate the multilevel inheritance with virtual methods, using C# programming.</p>	5+5	CO 1 CO 2
SECTION-C			
Q10	<p>a) Describe GDI+ application development with example.</p> <p>b) Write ASP.NET program code to get age and work experience from user. Validate the form so that the entered age must be between 25 and 40 and work experience must be between 2 to 4 (Use appropriate validation control).</p> <p>c) Explain briefly WPF.</p>	10+5 +5	CO 3 CO 4
Q11	<p>a) Illustrate WCF Architecture</p> <p>b) Write a C# program to print a Diamond filled with '*', using nested loop.</p> <p style="text-align: center;">OR</p> <p>a) Elaborate the steps involve in designing the window form GUI and write the C# for the following :</p> <p>1) Randomly generate a number of five digit number and display it on window form using second label.</p> <p>2) Determine the largest number i.e. (the combination of these number) and display it on window form using second label.</p> <p>Example: Generated number: 29834 Largest number: 98432.</p>	10+10	CO 4 CO 1

