

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

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

Course: Web Technologies Using .NET
Program: B.Tech-CSE-LLB
Course Code: CSEG 406

Semester: VI
Time 03 hrs.
Max. Marks: 100

Instructions: In section A all questions are compulsory, section B and C having internal choice in some questions

SECTION A

S. No.		Marks	CO
Q 1	Which kind of information assemblies file contains?	4	CO1
Q 2	Define the role worker process in application pool	4	CO4
Q 3	What do you mean by Master page? Explain syntax of creating master page.	4	CO1
Q 4	How worker process is responsible for the state of server.	4	CO4
Q 5	Identify all the directives available in asp.net.	4	CO5

SECTION B

Q 6	Write ASP.NET program to get age from user. Validate the form so that the entered age must be between 18 and 60 (Use appropriate validation control).	10	CO1
Q 7	Write a brief note on the following: a) WPF b) WCF	10	CO4
	Or		
	How AJAX technology can be merged with asp.net, write a steps for creating web page which can update itself every second and how “update panel” is useful achieve the partial posting for asp.net	10	CO4
Q 8	List and explain all the events whenever a page is requested i.e. during page life cycle.	10	CO2
Q 9	Define the role of entity data source. Show all steps require creating entity framework.	10	CO2

SECTION-C

Q 10	In what concept, server side state management is different from client side state management. Identify all the session state modes. By giving example validate that different browser maintain different state for a for a single user.	20	CO5
Q 11	Design asp.net registration page having textboxes for username, email, password,	20	CO3

	confirm password and drop down list for country, also validate the fields by appropriate field validators available in asp.net		
	Or		
	Design a master page having header as “welcome to UPES” in big heading format and footer as “@copy right” in small font, and place of content place holder the content of home.aspx and content of aboutus.aspx must be displayed.	20	CO3

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SECTION A

S. No.		Marks	CO
Q 1	Show with example, how textbox of asp.net control is different from textbox of html	4	CO1
Q 2	Describe AJAX technology used with .net	4	CO4
Q 3	List and explain various primitives data types used in .NET.	4	CO1
Q 4	Which type of exe file is maintained by worker processes?	4	CO4
Q 5	Explain the architecture of IIS server.	4	CO5

SECTION B

Q 6	a)What are the highlights of .NET framework. b) Enlist the important technical aspects of web services.	10	CO1
Q 7	Describe the SOAP message structure and various elements of SOAP message.	10	CO4
	or		
	Identify all AJAX extension available in toolbox explorer and describe thir role	10	CO4
Q 8	What is DataGrid? List the different templates used in DataGrid control.	10	CO2
Q 9	Explain the characteristics of ADO.NET.	10	CO2

SECTION-C

Q 10	Identify all the modes available in state session. How SQLServer mode is beneficial of StateServer mode failed maintain the data.	20	CO5
Q 11	Write ASP.NET program to get age from user. Validate the form so that the entered age must be between 18 and 60 (Use appropriate validation control).	20	CO3
	Or		
	How theme is different form master page concept? Set the theme for button as blue in color, text box as yellow as background color and design a page containing these controls. Also show the content part of .skin file.	20	CO3