


<b>Name:</b>	
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, April/May 2018**

**Program: B.Tech CSE (LLB-CL)**  
**Subject (Course): Web Technologies using .NET**  
**Course Code : CSEG-406**  
**No. of page/s: 01**

**Semester – VI**  
**Max. Marks : 100**  
**Duration : 3 Hrs**

**SECTION A (20 marks)**

S. No.		Marks	CO
Q1.	Highlight the advantages of using ASP.Net	4 marks	CO1
Q2.	List the features of ADO.NET highlighting its importance in development.	4 marks	CO3
Q3.	Differentiate between LINQ, XML and DOM.	4 marks	CO1
Q4.	Differentiate between Application, Session and View state.	4 marks	CO2
Q5.	Explain the need for using AJAX.	4 marks	CO5

**SECTION B (40 MARKS)**

Q6.	Explain the layers in the Web 2.0 reference architecture.	10 marks	CO4
Q7.	Write short notes on: SaaS, SOA, Mashup, Asynchronous Particle Update and Participation Collaboration.	10 marks	CO6
Q8.	Discuss the .NET 4.0 Framework Architecture with help of a diagram.	10 marks	CO8
Q9.	Elaborate on the core services provided by ASP.NET.	10 marks	CO7
	<b>OR</b>		CO9
	Illustrate the ADO.Net Entity Framework Architecture.		

**SECTION-C (40 MARKS)**

Q10.	“Dynamic compilation under ASP.Net 4.0 helps in modifying the source code and recompiling the files, without compiling the code” Comment.	20 marks	CO10
Q11.	“Features of Entity SQL in ADO.NET framework solves many problems” Elaborate	20 marks	CO11
	<b>OR</b>		CO9
	Explain client side and server side architecture of ASP.NET AJAX.		

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**SECTION A** **(20 marks)**

S. No.		Marks	CO
Q1.	List the Features of using ASP.Net in development.	4 marks	CO1
Q2.	Bring out the advantages of ADO.NET highlighting its importance.	4 marks	CO3
Q3.	Describe the format in which information is stored in Assembly Manifest.	4 marks	CO1
Q4.	Describe the various methods for storing state information.	4 marks	CO2
Q5.	Using a diagram explain AJAX web application model.	4 marks	CO5

**SECTION B** **(40 MARKS)**

Q6.	Discuss the .NET 4.0 Framework Architecture with help of a diagram.	10 marks	CO4
Q7.	Elaborate on the various layers of WCF architecture.	10 marks	CO6
Q8.	Bring out the importance of Web 2.0 reference architecture.	10 marks	CO8
Q9.	Elaborate on the core services provided by ASP.NET. <b>OR</b> Explain mapping of conceptual model and a logical model of ADO.NET.	10 marks	CO7 CO9

**SECTION-C** **(40 MARKS)**

Q10.	“ASP.NET web services provide a simple API for Web Services to create and understand SOAP messages” Comment.	20 marks	CO10
Q11.	Elaborate on ASP.NET life cycle for an application and web page <b>OR</b> Explain client side and server side architecture of ASP.NET AJAX.	20 marks	CO11 CO9