


Set A

Name:			
Enrolment No:			
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b>			
<b>End Semester Examination, May 2019</b>			
Programme Name: B. Tech. CSE All Branches		Semester : VI	
Course Name : Enterprise Java (Program Elective)		Time : 03 hrs	
Course Code : CSEG 317		Max. Marks : 100	
Nos. of page(s) : 1		Instructions:	
<b>SECTION A5 Questions of 4</b>			
S. No.		Marks	CO
Q 1	Name and write syntax of life cycle methods for a filter.	4	CO1,2
Q2	What is Difference between JSP Scriptlet tag and Declaration tag.	4	CO3
Q3	Discuss Life Cycle of a Servlet.	4	CO4
Q4	Give Example of JSP declaration tag that declares method	4	CO3
Q5	Write code for JSP Declaration tag.	4	CO3
<b>SECTION B 5 Questions of 8</b>			
Q6	i) When should we use Enterprise Java Bean? (this is mandatory part of Question) Attempt any one from following two: ii) What are various Types of Enterprise Java Bean. iii) List down Annotations used in Stateful Session Beans.	10	CO4
Q7	Draw Life cycle of Stateless Session Bean	10	CO5
Q8	Elaborate about Steps to create a servlet example: Draw a directory structures, Create a Servlet(DemoServlet.java) Create the deployment descriptor.( web.xml file)	10	CO1,2
Q9	i) What is JPA ORM. List various frameworks that function on ORM mechanism. or ii) Discuss various ORM Mappings.What is Difference between ServletConfig and ServletContext.	10	CO5
<b>SECTION-C 2 Questions of 20</b>			
Q10	List down and elaborate about any five JSP implicit objects. Also give example code in JSP for these five implicit objects.	20	CO1,3
Q11	Write complete example code demonstrating use of cookies or filter.	20	CO2,3

Set B

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### SECTION A

S. No.		Marks	CO
Q 1	Give Example of JSP declaration tag that declares field.	4	CO3
Q2	Discuss Life Cycle of a Servlet.	4	CO4
Q3	How to define Filter? Write syntax for elements of filter and filter-mapping.	4	CO2
Q4	What Annotations are used in Stateless Session Bean.	4	CO4
Q5	List down various techniques of session tracking.	4	CO1,3

### SECTION B

Q6	Give Simple example of Servlet Cookies. (Write code of servlet, deployment descriptor and HTML page.)	10	CO1,2
Q7	Draw Life cycle of Stateless Session Bean.	10	CO5
Q8	Name two Methods of JspPage interface. Explain three types of JSP directives elements,	10	CO3
Q9	Elaborate about JPA Entity. List and briefly explain Entity Properties, Entity Metadata. Or Give example of filter with complete code.	10	CO5

### SECTION-C

Q10	List down and elaborate about any three: JSP out, JSP Request, JSP Response, JSP Config, JSP Session implicit objects. Also give example code in JSP for these implicit objects.	20	CO1,3
Q11	Write complete sample code for SendRedirect in servlet.	20	CO2,3