


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, May 2022			
Course: Service Oriented Architecture Program: B. Tech CSE CCVT Course Code: CSEG 3008		Semester: VI Time : 03 hrs. Max. Marks: 100	
Instructions: Please draw diagrams and write code wherever applicable.			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Which of the following contribute to SOA principle. a. Vendor Dependent Standards b. Asynchronous Communication c. Tightly Coupled d. Not Reusable	4	CO1
Q 2	Which of the following indicates metadata information about a web service. a. Service Consumer b. Service Description c. Service Registry d. Service Broker	4	CO2
Q 3	Describe the challenges involved in implementing SOA.	4	CO1
Q 4	Explain the basic Service Oriented Architecture with diagram.	4	CO1
Q 5	Describe the Component based design with different steps involved.	4	CO2
SECTION B (4Qx10M= 40 Marks)			
Q 6	Provide a detailed description of SOA lifecycle stages along with diagram.	10	CO1
Q 7	Provide a description of BPM and explain its three-phase architecture along with a suitable diagram.	10	CO2
Q 8	Describe the UDDI elements and UDDI architecture in detail.	10	CO3
Q 9	Give a description about SOA governance and explain the component of SOA governance with suitable diagram. OR Describe in detail about the TOGAF- Enterprise Architecture Domains.	10	CO4
SECTION-C (2Qx20M=40 Marks)			

Q 10	Discuss the SOA RA architecture and its different layers in detail with diagram.	20	CO4
Q 11	Describe the all WSDL components with an example WSDL document. OR Describe the SOAP Skeleton with SOAP Request and Response Message in detail.	20	CO3