


Name:	
Enrolment No:	
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES	
End Semester Examination, May 2020	
Course: Service Oriented Programming	Semester: VI
CourseCode: CSEG 3008	Time: 2hrs
Programme: BTECH CCVT	Max. Marks: 100
Instructions: Attempt all questions	

- MC SOA is a style of software design where services are provided to other components by
Application components Correct Network components Incorrect Protocol
components Incorrect All of the mentioned Incorrect
- MC SOA enables Increased business agility Incorrect Improved business workflows
Incorrect Extensible architecture Incorrect All of the mentioned Correct
- MC What amongst the following is an example of SOA. SOAP Correct Application Navigator
Incorrect Authorization component Incorrect Authentication component
Incorrect
- MC Which of the following is used to define the service component that performs the service?
WSDL Incorrect SCDL Correct XML Incorrect None of the mentioned Incorrect
- MC SOA _____ an extension of the Service Oriented Architecture to respond to events that occur
as a result of business processes. 2.0 Correct 3.0 Incorrect 4.0 Incorrect
All of the mentioned Incorrect
- MC When is an SOA implementation most appropriate? Real-time performance is critical.
Incorrect An immediate Return on Investment (ROI) is required. Incorrect The
application interfaces require a high degree of customization Incorrect Business functionality is
required by many parts of the organization. Correct
- MC What can have the largest impact on the performance of an SOA? Service granularity
Correct Use of open standards Incorrect Service version management Incorrect
Business monitoring of Key Performance Indicators (KPIs) Incorrect
- MC What is one architectural principle surrounding SOA? Inheritance Incorrect
Encapsulation Correct Cross-cutting concern Incorrect Focus on messaging strategies
Incorrect

- MC What Is The Most Important Skill Needed To Adopt Soa ? Cultural Correct Technical
 Incorrect Adminstrative Incorrect None of the mentioned Incorrect
- MC Which step should be taken in account to implement SOA? Create a service registry.
 Incorrect Define an SOA governance model. Incorrect Perform an SOA
 maturity assessment. Correct Create an SOA Center of Excellence (CoE). Incorrect
- MC What is the fundamental characteristic of SOA? Business driven Correct Integration centric
 Incorrect Inventory neutral Incorrect Solo driven Incorrect
- MC Which architecture will be built on top of a SOA ? The Application Architecture Correct
 The Service Architecture Incorrect The Component Architecture Incorrect
 None of the mentioned Incorrect
- MC Which of the following is a repeatable task within a business process? Service Correct Bus
 Incorrect Methods Incorrect All of the mentioned Incorrect
- MC Which statement describes a business process in the context of SOA? It is a business policy or
 decision procedure Incorrect Items are accumulated and then processed together.
 Incorrect It is a series of tasks connected together like building blocks. Correct It
 enables interactions between message consumers and providers. Incorrect
- MC What is a typical requirement in an SOA environment for determining business success?
 Adherence to six-sigma business guidelines Incorrect A dashboard for reporting
 metrics to business analysts Incorrect The ability to pilot the solution in a production
 environment to business stakeholders Incorrect The capability to monitor and measure
 performance against business process goals Correct
- MC Which SOA architectural concept is applied as an organization combines services to perform a
 business process? Modularity Incorrect Composition Correct Encapsulation
 Incorrect Separation of concerns Incorrect
- MC Which technique improves a business process? Perform analysis of the resources being used by
 the process Incorrect Simulation of the process to identify and test improvements Correct
 Domain decomposition to identify the granularity of tasks Incorrect Monitoring
 availability of components that are used by the business process Incorrect
- MC When is an SOA implementation most appropriate? Real-time performance is critical.
 Incorrect An immediate Return on Investment (ROI) is required. Incorrect The
 application interfaces require a high degree of customization. Incorrect Business functionality is
 required by many parts of the organization. Correct
- MC Services in SOA can be referred to as Enterprise Architecture Incorrect Enterprise
 resource Correct Enterprise definition Incorrect All of the mentioned Incorrect

- MC Services are designed to be Reusable Correct Unidirectional Incorrect Linear
and logistic Incorrect All of the mentioned Incorrect
- MC What will be the largest barrier to their success for any organisation? Insufficient SOA skills
Correct Finding unbiased vendor product comparisons Incorrect Legacy applications
written in an obsolete language Incorrect IT staff needing to work with business analysts who do
not understand the underlying technical complexity Incorrect
- MC Which of the following describes a message-passing taxonomy for a component-based
architecture that provides services to clients upon demand? SOA Correct EBS Incorrect
GEC Incorrect All of the mentioned Incorrect
- MC Which of the following is a repeatable task within a business process ? Service Correct Bus
Incorrect Methods Incorrect All of the mentioned Incorrect
- MC "Which of the following levels, enables SOA to deal with changes in business requirements."
Architecture Incorrect Application Incorrect Business Agility Correct
Business Service Incorrect
- MC Which of the following is communication protocol between two heterogenous applications.
WSDL Incorrect SOAP Correct UDDI Incorrect FTP Incorrect
- MC Which of the following wsdl element specifies the operation supported by webservice. types
Incorrect binding Incorrect messages Incorrect portType Correct
- MC "Google Apps, Hotmail, Lotus Netsuite belongs to which model." Hardware as Service
Incorrect Platform as a Service Incorrect Software as a Service Correct
Infrastructure as a Service Incorrect
- MC Which of the following in UDDI data model specifies actual implementation details of web
service that is specified as the business service. bindingTemplate Correct businessEntity
Incorrect businessService Incorrect tModel Incorrect
- MC Select the real-time examples of application of web services. Location Retrieval using Maps
API Incorrect Getting Weather Reports Incorrect Getting Stock Details
Incorrect All of the above Correct
- TF Webservice is a software system that supports interoperable machine-to-machine interaction
over web. TRUE Correct FALSE Incorrect
- MC What are the characteristics of web services. Loosely coupled Incorrect Encapsulated
Incorrect Publicly Available Descriptions Incorrect All of the above Correct
- TF Simple Object Access Protocol (SOAP) is a message exchange protocol to communicate with
Web Service. TRUE Correct FALSE Incorrect

- TF SOAP Envelope contains mandatory Header Element and Optional Body Element TRUE
Incorrect FALSE Correct
- TF WebService Description Language specification is a standard to describe and locate web services. TRUE Correct FALSE Incorrect
- MC "In WSDL Document Structure, which element takes care of data types ie types of data that will be transmitted." types Correct messages Incorrect binding Incorrect Service Incorrect
- MC "White Pages, yellow pages and Green pages are elements of which of the following." SOAP Incorrect UDDI Correct WSDL Incorrect RPC Incorrect
- MC Use Case Models are used in which of TOGAF Architecture Domains Business Architecture Correct Information Architecture Incorrect Application Architecture Incorrect Technology Architecture Incorrect
- MC Which of following layer is responsible for providing vital information to the enterprise architecture Strategy Layer Incorrect Business Layer Incorrect Application Layer Incorrect Data Layer Correct
- MC Technical Reference Model is used in which of TOGAF Architecture Domains Business Architecture Incorrect Information Architecture Incorrect Application Architecture Incorrect Technology Architecture Correct
- MC Entity Model is used in which of TOGAF Architecture Domains Business Architecture Incorrect Information Architecture Correct Application Architecture Incorrect Technology Architecture Incorrect
- MC Virtual data model is described by which Enterprise information layer Enterprise data Incorrect Consolidated data Correct Integration data Incorrect Operational data Incorrect
- MC Which of the following distributed technology communicates only between two java applications. CORBA Incorrect RMI Correct WebService Incorrect DCOM Incorrect
- MC What are the characteristics of cloud computing. Remotely Hosted Incorrect Shared Resources Incorrect Scalable Incorrect All of the above Correct
- MC "Google Cloud Storage, Amazon EC2, Joyent belongs to which service model." Hardware as Service Incorrect Platform as a Service Correct Software as a Service Incorrect Infrastructure as a Service Incorrect
- MC "In WSDL Document Structure, which element takes care of location URL of web service." types Incorrect messages Incorrect binding Incorrect Service Correct

- MC "In WSDL Document Structure, which element has these types : One-way, Request-response, Solicit-response, Notification." types Incorrect messages Incorrect port-Type Correct Service Incorrect
- MC Which is an important decision for the adoption of SOA? Use Web services for all SOA communication. Incorrect Use the latest open standard specification in the industry. Incorrect Focus on a core set of systems when defining enterprise services. Incorrect Encapsulate underlying technical differences between different SOA implementations. Correct
- MC Which of the following is a repeatable task within a business process? Services Correct bus Incorrect esb Incorrect methods Incorrect
- MC Which of the following comes under 'Enterprise Governance'? SOA strategy and hierarchy chart Incorrect architectural standards of an enterprise Correct policies that are used to define and approve business services Incorrect policies for non-lime governance Incorrect
- MC Which of the following standard is a blueprint for creating and evaluating SOA Enterprise Solutions ? SOA Reference Architecture Correct Service Integrated Orientation Incoorect Cloud Computing Integration Incorrect OSIMM Incorrect
- MC Which of the following is applicances for SOCCI? SOCCI is manually provsioned Incorrect SOCCI works with a dedicated hardware Incoorect SOCCI provides Static environment Incorrect SOCCI expose Infrastrucire as a Service Correct
- MC How do Web 2.0 applications communicate with SOA services? Both architectures use XML to ensure interoperability Incorrect Web 2.0 technologies communicate using Remote Procedure Calls (RPC) to SOA services. Incorrect Asynchronous JavaScript + XML (Ajax) applications can make service requests from a Web browser. Correct JavaScript Object Notation (JSON) provides an efficient data format for SOA services. Incorrect
- MC Which of the following comes under Reusable Architecture? Provides executive and basic primitive concepts used through multiple systems Incorrect Provides components used through multiple systems Incorrect Provides structure and coordination model used through multiple systems Correct None of the systems Incorrect
- MC "Which UDDI Model contains Business Entity, Business Service, Binding Template, tModel." UDDI Data Model Correct UDDI API Incorrect UDDI Cloud Services Incorrect None of the above Incorrect
- MC Which of the following distributed technology uses IIOP (Internet Inter ORB Protocol) as a communication between ORB. RMI Incorrect DCE Incorrect JSON-RPC Incorrect CORBA Correct

MC Which of the following component of SOA governances defines a set of behavioral restrictions intended to ensure the services remain consistent and don not conflict which each other. Registry
Incorrect Service Incorrect Policy Correct Testing Incorrect

MC Which of the following depicts benefits of SOA Governance. SOA Governance does not enforce any architectural standards Incorrect SOA Governance does not give any insights to buisness analysts Incorrect SOA Governance helpsin reducing the total cost of ownership as a commom architechture can be applied to enforce policies for all services Correct SOA Governance does not focus on any measures to monitor the performance of SOA Services
Incorrect

MC Which of the following are levels of maturity of selected domains? Reference models
Incorrect Reference architecture Incorrect Component Generators
Incorrect All of the above Correct

MC Which of the following are part of Reference architectures? Stages for reuseIncorrect
Mature Domains Incorrect All of the mentioned Correct None of the mentioned
Incorrect

MC Which of the forces among these encourages reference architectures? If there is a large user community for these systems they need to be interchanged Incorrect A business case can be made to produce component or application generators once a reference architecture exists
Incorrect All of the mentioned Incorrect None of the mentioned Correct