

Name:

Enrolment No:

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2020

Course: Service Oriented Architecture
Program: B.Tech CSE (OSSOS)
Course Code: CSEG3008

Semester: 6th Sem
Time 02 hrs.
Max. Marks: 100

Instructions: Attempt all Sections

7/31/2020

Test Canvas: End Semester Exam (SOA) – Service Oriented ...



Arjun Arora 301

My Institution

Courses

Community



Tests, Surveys and Pools

Tests

Test Canvas : End Semester Exam (SOA)

Edit Mode is: ON ?

This Test has 89 attempts. For information on editing questions, click [More Help](#) below.

Test Canvas: End Semester Exam (SOA)

The Test Canvas lets you add, edit and reorder questions, as well as review a test. [More Help](#)

Question Settings

You can edit, delete or change the point values of test questions on this page. If necessary, test attempts will be regraded after you submit your changes.

Description

Instructions

Max. Marks :100

No. of Questions : 60 (MCQ)

All questions are compulsory

Total Questions 60

Total Points 100

Number of Attempts 89

Select: [All](#) [None](#) | Select by Type: - Question Type -

Delete and Regrade

Points

Update and Regrade

Hide Question Details



Points: 2

1. Multiple Choice: SOA is a style of software design whe...

Question	SOA is a style of software design where services are provided to other components by
Answer	<input checked="" type="checkbox"/> Application components
	<input type="checkbox"/> Network components
	<input type="checkbox"/> Protocol components

All of the mentioned



Points: 2

2. Multiple Choice: What amongst the following is an exam...

Question	What amongst the following is an example of SOA.
Answer	<input checked="" type="checkbox"/> SOAP
	<input type="checkbox"/> Application Navigator
	<input type="checkbox"/> Authorization component
	<input type="checkbox"/> Authentication component

3. Multiple Choice: Which of the following is used to def...

Points: 2

Question	Which of the following is used to define the service component that performs the service?
Answer	<input type="checkbox"/> WSDL
	<input checked="" type="checkbox"/> SCDL
	<input type="checkbox"/> XML
	<input type="checkbox"/> None of the mentioned



Points: 2

4. Multiple Choice: SOA _____ an extension of the Servi...

Question	SOA _____ an extension of the Service Oriented Architecture to respond to events that occur as a result of business processes.
Answer	<input checked="" type="checkbox"/> 2.0
	<input type="checkbox"/> 3.0

4.0

All of the mentioned

**5. Multiple Choice: When is an SOA implementation most appropriate?**

Points: 2

Question	When is an SOA implementation most appropriate?
Answer	<input type="checkbox"/> Real-time performance is critical.
	<input type="checkbox"/> An immediate Return on Investment (ROI) is required.
	<input type="checkbox"/> The application interfaces require a high degree of customization
	<input checked="" type="checkbox"/> Business functionality is required by many parts of the organization.

**6. Multiple Choice: What can have the largest impact on the performance of an SOA?**

Points: 2

Question	What can have the largest impact on the performance of an SOA?
Answer	<input checked="" type="checkbox"/> Service granularity
	<input type="checkbox"/> Use of open standards
	<input type="checkbox"/> Service version management
	<input type="checkbox"/> Business monitoring of Key Performance Indicators (KPIs)

**7. Multiple Choice: What is one architectural principle surrounding SOA?**

Points: 2

Question	What is one architectural principle surrounding SOA?
Answer	<input type="checkbox"/> Inheritance
	<input checked="" type="checkbox"/> Encapsulation

Cross-cutting concern

Focus on messaging strategies

**8. Multiple Choice: What Is The Most Important Skill Need...**

Points: 2

Question	What Is The Most Important Skill Needed To Adopt Soa ?
Answer	<input checked="" type="checkbox"/> Cultural
	<input type="checkbox"/> Technical
	<input type="checkbox"/> Adminstrative
	<input type="checkbox"/> None of the mentioned

**9. Multiple Choice: Which step should be taken in account...**

Points: 2

Question	Which step should be taken in account to implement SOA?
Answer	<input type="checkbox"/> Create a service registry.
	<input type="checkbox"/> Define an SOA governance model.
	<input checked="" type="checkbox"/> Perform an SOA maturity assessment.
	<input type="checkbox"/> Create an SOA Center of Excellence (CoE).

**10. Multiple Choice: What is the fundamental characteristi...**

Points: 2

Question	What is the fundamental characteristic of SOA?
Answer	<input checked="" type="checkbox"/> Business driven
	<input type="checkbox"/> Integration centric

Inventory neutral

Solo driven

11. Multiple Choice: Which architecture will be built on t...

Points: 1.5

Question	Which architecture will be built on top of a SOA ?
Answer	<input checked="" type="checkbox"/> The Application Architecture
	<input type="checkbox"/> The Service Architecture
	<input type="checkbox"/> The Component Architecture
	<input type="checkbox"/> None of the mentioned

12. Multiple Choice: Which of the following is a repeatabl...

Points: 1.5

Question	Which of the following is a repeatable task within a business process?
Answer	<input checked="" type="checkbox"/> Service
	<input type="checkbox"/> Bus
	<input type="checkbox"/> Methods
	<input type="checkbox"/> All of the mentioned

13. Multiple Choice: Which statement describes a business ...

Points: 1.5

Question	Which statement describes a business process in the context of SOA?
Answer	<input type="checkbox"/> It is a business policy or decision procedure
	<input type="checkbox"/> Items are accumulated and then processed together.

- It is a series of tasks connected together like building blocks.

It enables interactions between message consumers and providers.

Points: 1.5

14. Multiple Choice: What is a typical requirement in an S...

Question	What is a typical requirement in an SOA environment for determining business success?
Answer	<p>Adherence to six-sigma business guidelines</p> <p>A dashboard for reporting metrics to business analysts</p> <p>The ability to pilot the solution in a production environment to business stakeholders</p> <p><input checked="" type="checkbox"/> The capability to monitor and measure performance against business process goals</p>

Points: 1.5

15. Multiple Choice: Which SOA architectural concept is ap...

Question	Which SOA architectural concept is applied as an organization combines services to perform a business process?
Answer	<p>Modularity</p> <p><input checked="" type="checkbox"/> Composition</p> <p>Encapsulation</p> <p>Separation of concerns</p>

Points: 1.5

16. Multiple Choice: Which technique improves a business p...

Question	Which technique improves a business process?
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Answer	Perform analysis of the resources being used by the process
	<input checked="" type="checkbox"/> Simulation of the process to identify and test improvements
	Domain decomposition to identify the granularity of tasks
	Monitoring availability of components that are used by the business process



17. Multiple Choice: When is an SOA implementation most appropriate?

Points: 1.5

Question	When is an SOA implementation most appropriate?
Answer	Real-time performance is critical.
	An immediate Return on Investment (ROI) is required.
	The application interfaces require a high degree of customization.
	<input checked="" type="checkbox"/> Business functionality is required by many parts of the organization.



18. Multiple Choice: Services in SOA can be referred to as...

Points: 1.5

Question	Services in SOA can be referred to as
Answer	Enterprise Architecture
	<input checked="" type="checkbox"/> Enterprise resource
	Enterprise definition
	All of the mentioned



19. Multiple Choice: Services are designed to be // do...**

Points: 1.5

Question	
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Services are designed to be

- Answer**
- Reusable
-
- Unidirectional
-
- Linear and logistic
-
- All of the mentioned

20. Multiple Choice: What will be the largest barrier to t...

Points: 1.5

- Question** What will be the largest barrier to their success for any organisation?
- Answer**
- Insufficient SOA skills
-
- Finding unbiased vendor product comparisons
-
- Legacy applications written in an obsolete language
-
- IT staff needing to work with business analysts who do not understand the underlying technical complexity

21. Multiple Choice: Which of the following describes a me...

Points: 1.5

- Question** Which of the following describes a message-passing taxonomy for a component-based architecture that provides services to clients upon demand?
- Answer**
- SOA
-
- EBS
-
- GEC
-
- All of the mentioned

Points: 1.5

22. Multiple Choice: Which of the following is a repeatabl...

Question	Which of the following is a repeatable task within a business process ?
Answer	<input checked="" type="checkbox"/> Service
	<input type="checkbox"/> Bus
	<input type="checkbox"/> Methods
	<input type="checkbox"/> All of the mentioned

**23. Multiple Choice: "Which of the following levels, enabl...**

Points: 1.5

Question	"Which of the following levels, enables SOA to deal with changes in business requirements."
Answer	<input type="checkbox"/> Architecture
	<input type="checkbox"/> Application
	<input checked="" type="checkbox"/> Business Agility
	<input type="checkbox"/> Business Service

**24. Multiple Choice: Which of the following is communicati...**

Points: 1.5

Question	Which of the following is communication protocol between two heterogenous applications.
Answer	<input type="checkbox"/> WSDL
	<input checked="" type="checkbox"/> SOAP
	<input type="checkbox"/> UDDI
	<input type="checkbox"/> FTP



Points: 1.5

25. Multiple Choice: Which of the following wsdl element s...

Question	Which of the following wsdl element specifies the operation supported by webservice.
Answer	<input type="checkbox"/> types
	<input type="checkbox"/> binding
	<input type="checkbox"/> messages
	<input checked="" type="checkbox"/> portType



Points: 1.5

26. Multiple Choice: "Google Apps, Hotmail, Lotus Netsuite...

Question	"Google Apps, Hotmail, Lotus Netsuite belongs to which model."
Answer	<input type="checkbox"/> Hardware as Service
	<input type="checkbox"/> Platform as a Service
	<input checked="" type="checkbox"/> Software as a Service
	<input type="checkbox"/> Infrastructure as a Service



Points: 1.5

27. Multiple Choice: Which of the following in UDDI data m...

Question	Which of the following in UDDI data model specifies actual implementation details of web service that is specified as the business service.
Answer	<input checked="" type="checkbox"/> bindingTemplate
	<input type="checkbox"/> businessEntity
	<input type="checkbox"/> businessService

tModel

**28. Multiple Choice: Select the real-time examples of appl...**

Points: 1.5

Question	Select the real-time examples of application of web services.
Answer	<input type="checkbox"/> Location Retrieval using Maps API
	<input type="checkbox"/> Getting Weather Reports
	<input type="checkbox"/> Getting Stock Details
	<input checked="" type="checkbox"/> All of the above

**29. True / False: Webservice is a software system that ...**

Points: 1.5

Question	Webservice is a software system that supports interoperable machine-to-machine interaction over web.
Answer	<input checked="" type="checkbox"/> True
	<input type="checkbox"/> False

**30. Multiple Choice: What are the characteristics of web s...**

Points: 1.5

Question	What are the characteristics of web services.
Answer	<input type="checkbox"/> Loosely coupled
	<input type="checkbox"/> Encapsulated
	<input type="checkbox"/> Publicly Available Descriptions
	<input checked="" type="checkbox"/> All of the above

**31. True / False: Simple Object Access Protocol (SOAP) ...**

Points: 1.5

Question Simple Object Access Protocol (SOAP) is a message exchange protocol to communicate with Web Service.

Answer True
False

32. True / False: SOAP Envelope contains mandatory Header...

Points: 1.5

Question SOAP Envelope contains mandatory Header Element and Optional Body Element

Answer True
False

33. True / False: WebService Description Language speci...

Points: 1.5

Question WebService Description Language specification is a standard to describe and locate web services.

Answer True
False

34. Multiple Choice: "In WSDL Document Structure, which el...

Points: 1.5

Question "In WSDL Document Structure, which element takes care of data types ie types of data that will be transmitted."

Answer types

messages

binding

Service

35. Multiple Choice: "White Pages, yellow pages and Green ...

Points: 1.5

Question

"White Pages, yellow pages and Green pages are elements of which of the following."

- Answer**
- SOAP
 - UDDI
 - WSDL
 - RPC

Points: 1.5

36. Multiple Choice: Use Case Models are used in which of ...

- Question** Use Case Models are used in which of TOGAF Architecture Domains
- Answer**
- Business Architecture
 - Information Architecture
 - Application Architecture
 - Technology Architecture

Points: 1.5

37. Multiple Choice: Which of following layer is responsib...

- Question** Which of following layer is responsible for providing vital information to the enterprise architecture
- Answer**
- Strategy Layer
 - Business Layer
 - Application Layer
 - Data Layer

Points: 1.5

38. Multiple Choice: Technical Reference Model is used in ...

Question	Technical Reference Model is used in which of TOGAF Architecture Domains
Answer	<input type="checkbox"/> Business Architecture
	<input type="checkbox"/> Information Architecture
	<input type="checkbox"/> Application Architecture
	<input checked="" type="checkbox"/> Technology Architecture

Points: 1.5

39. Multiple Choice: Entity Model is used in which of TOGA...

Question	Entity Model is used in which of TOGAF Architecture Domains
Answer	<input type="checkbox"/> Business Architecture
	<input checked="" type="checkbox"/> Information Architecture
	<input type="checkbox"/> Application Architecture
	<input type="checkbox"/> Technology Architecture

Points: 1.5

40. Multiple Choice: Virtual data model is described by wh...

Question	Virtual data model is described by which Enterprise information layer
Answer	<input type="checkbox"/> Enterprise data
	<input checked="" type="checkbox"/> Consolidated data
	<input type="checkbox"/> Integration data
	<input type="checkbox"/> Operational data

41. Multiple Choice: Which of the following distributed te...

Points: 1.5

Question	Which of the following distributed technology communicates only between two java applications.
Answer	<p>CORBA</p> <p><input checked="" type="checkbox"/> RMI</p> <p>WebService</p> <p>DCOM</p>

 42. Multiple Choice: What are the characteristics of cloud...

Points: 1.5

Question	What are the characteristics of cloud computing.
Answer	<p>Remotely Hosted</p> <p>Shared Resources</p> <p>Scalable</p> <p><input checked="" type="checkbox"/> All of the above</p>

 43. Multiple Choice: "Google Cloud Storage, Amazon EC2, Jo...

Points: 1.5

Question	"Google Cloud Storage, Amazon EC2, Joyent belongs to which service model."
Answer	<p>Hardware as Service</p> <p><input checked="" type="checkbox"/> Platform as a Service</p> <p>Software as a Service</p> <p>Infrastructure as a Service</p>



Points: 1.5

44. Multiple Choice: "In WSDL Document Structure, which el...

Question	"In WSDL Document Structure, which element takes care of location URL of web service."
Answer	<input type="checkbox"/> types
	<input type="checkbox"/> messages
	<input type="checkbox"/> binding
	<input checked="" type="checkbox"/> Service



Points: 1.5

45. Multiple Choice: "In WSDL Document Structure, which el...

Question	"In WSDL Document Structure, which element has these types : One-way, Request-response, Solicit-response, Notification."
Answer	<input type="checkbox"/> types
	<input type="checkbox"/> messages
	<input checked="" type="checkbox"/> port-Type
	<input type="checkbox"/> Service



Points: 1.5

46. Multiple Choice: Which is an important decision for th...

Question	Which is an important decision for the adoption of SOA?
Answer	<input type="checkbox"/> Use Web services for all SOA communication.
	<input type="checkbox"/> Use the latest open standard specification in the industry.
	<input type="checkbox"/> Focus on a core set of systems when defining enterprise services.

- Encapsulate underlying technical differences between different SOA implementations.

47. Multiple Choice: Which of the following is a repeatabl...

Points: 1.5

Question	Which of the following is a repeatable task within a business process?
Answer	<input checked="" type="checkbox"/> Services
	<input type="checkbox"/> bus
	<input type="checkbox"/> esb
	<input type="checkbox"/> methods

48. Multiple Choice: Which of the following comes under 'E...

Points: 1.5

Question	Which of the following comes under 'Enterprise Governance'?
Answer	<input type="checkbox"/> SOA strategy and hierarchy chart
	<input checked="" type="checkbox"/> architectural standards of an enterprise
	<input type="checkbox"/> policies that are used to define and approve business services
	<input type="checkbox"/> policies for non-lime governance

49. Multiple Choice: Which of the following standard is a ...

Points: 1.5

Question	Which of the following standard is a blueprint for creating and evaluating SOA Enterprise Solutions ?
Answer	<input checked="" type="checkbox"/> SOA Reference Architecture
	<input type="checkbox"/> Service Integrated Orientation

Cloud Computing Integration

OSIMM



50. Multiple Choice: Which of the following is appliances...

Points: **1.5**

Question	Which of the following is appliances for SOCCI?
Answer	<input type="checkbox"/> SOCCI is manually provisioned <input type="checkbox"/> SOCCI works with a dedicated hardware <input type="checkbox"/> SOCCI provides Static environment <input checked="" type="checkbox"/> SOCCI expose Infrastrucire as a Service



51. Multiple Choice: How do Web 2.0 applications communica...

Points: **2**

Question	How do Web 2.0 applications communicate with SOA services?
Answer	<input type="checkbox"/> Both architectures use XML to ensure interoperability <input type="checkbox"/> Web 2.0 technologies communicate using Remote Procedure Calls (RPC) to SOA services. <input checked="" type="checkbox"/> Asynchronous JavaScript + XML (Ajax) applications can make service requests from a Web browser. <input type="checkbox"/> JavaScript Object Notation (JSON) provides an efficient data format for SOA services.



52. Multiple Choice: Which of the following comes un...

Points: **2**

Question	Which of the following comes under Reusable Architecture?
Answer	Provides executive and basic primitive concepts used through multiple systems

Provides components used through multiple systems

Provides structure and coordination model used through multiple systems

None of the systems



53. Multiple Choice: "Which UDDI Model contains Business Entity, Business Service, Binding Template, tModel."

Points: 2

Question	"Which UDDI Model contains Business Entity, Business Service, Binding Template, tModel."
Answer	<p><input checked="" type="checkbox"/> UDDI Data Model</p> <p>UDDI API</p> <p>UDDI Cloud Services</p> <p>None of the above</p>

54. Multiple Choice: Which of the following distributed te...

Points: 2

Question	Which of the following distributed technology uses IIOP (Internet Inter ORB Protocol) as a communication between ORB.
Answer	<p>RMI</p> <p>DCE</p> <p>JSON-RPC</p> <p><input checked="" type="checkbox"/> CORBA</p>

55. Multiple Choice: Which of the following are levels of ...

Points: 2

Question	Which of the following are levels of maturity of selected domains?
Answer	Reference models

Reference architecture

Component Generators

All of the above



56. Multiple Choice: Which of the following are part of Re...

Points: **2**

Question	Which of the following are part of Reference architectures?
Answer	<p>Stages for reuse</p> <p>Mature Domains</p> <p><input checked="" type="checkbox"/> All of the mentioned</p> <p>None of the mentioned</p>

57. Multiple Choice: Which of the forces among these...

Points: **2**

Question	Which of the forces among these encourages reference architectures?
Answer	<p>If there is a large user community for these systems they need to be interchanged</p> <p>A business case can be made to produce component or application generators once a reference architecture exists</p> <p>All of the mentioned</p> <p><input checked="" type="checkbox"/> None of the mentioned</p>

58. Multiple Choice: SOA enables *//* document.onc...**

Points: **2**

Question	SOA enables
Answer	<p><input checked="" type="checkbox"/> All of them</p>

Extensible Architecture

Increased business agility

Improved business workflows

Points: 2

59. Multiple Choice: Which of the following component of S...

Question	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?
Answer	<input checked="" type="radio"/> Policy <input type="radio"/> Testing <input type="radio"/> Service <input type="radio"/> Registry

Points: 2

60. Multiple Choice: Which of the following depicts benefi...

Question	Which of the following depicts benefits of SOA Governance?
Answer	<input checked="" type="radio"/> SOA Governance helpsin reducing the total cost of ownership as a commom architechture can be applied to enforce policies for all services <input type="radio"/> SOA Governance does not focus on any measures to monitor the performance of SOA Services <input type="radio"/> SOA Governance does not enforce any architectural standards <input type="radio"/> SOA Governance does not give any insights to buisness analysts

Select: [All](#) [None](#) | Select by Type: - Question Type - ▼

Delete and Regrade

Points

Update and Regrade

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