

# NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : BE/CSE	Year / Semester : IV / VII	Format No.	NAC/TLP-07a.13
Subject Code : CS8791	Subject Name : Cloud Computing	Rev. No.	02
Unit No : 2	Unit Name : Cloud Enabling Technologies	Date	30.09.2020

## OBJECTIVE TYPE QUESTION BANK

S. No.	Objective Questions (MCQ /True or False / Fill up with Choices )	BTL
1	Which of the following describes a message-passing taxonomy for a component-based architecture that provides services to clients upon demand? a) <b>SOA</b> b) EBS c) GEC d) All of the mentioned	L2
2	Point out the correct statement. a) Service Oriented Architecture (SOA) describes a standard method for requesting services from distributed components and managing the results b) SOA provides the translation and management layer in an architecture that removes the barrier for a client obtaining desired services c) With SOA, clients and components can be written in different languages and can use multiple messaging protocols d) <b>All of the mentioned</b>	L2
3	Which of the following is a repeatable task within a business process? a) <b>service</b> b) bus c) methods d) all of the mentioned	L4
4	Which of the following module of SOA is shown in the following figure? <div style="border: 1px dashed black; padding: 5px; display: inline-block; margin: 10px 0;"> <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="border: 1px solid black; padding: 2px 5px;">Reliability</div> <div style="border: 1px solid black; padding: 2px 5px;">Transaction</div> <div style="border: 1px solid black; padding: 2px 5px;">Management</div> </div> </div> a) Description b) Messaging c) Business Process d) <b>QOS</b>	L5
5	Point out the wrong statement. a) SOA provides the standards that transport the messages and makes the infrastructure to support it possible b) <b>SOA provides access to reusable Web services over an SMTP network</b> c) SOA offers access to ready-made, modular, highly optimized, and widely shareable components that can minimize developer and infrastructure costs d) None of the mentioned	L1
6	Which of the following is used to define the service component that performs the service? a) WSDL b) <b>SCDL</b> c) XML d) None of the mentioned	L5
7	Which of the following is commonly used to describe the service interface, how to bind	L1

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		information, and the nature of the component's service or endpoint? a) <b>WSDL</b> b) SCDL c) XML d) None of the mentioned	
8		Which of the following is used to aid for locating services in SOA? a) <b>catalog service</b> b) data abstraction services c) data bus d) all of the mentioned	L2
9		Point out the correct statement. a) An intranet is a network that is constructed through the consolidation of separate networks b) <b>The Information Technology Infrastructure Library (ITIL) is developed by the United Kingdom's Office of Government Commerce (OGC)</b> c) Message passing in SOA requires the use of four different protocol types d) All of the mentioned	L2
10		Which of the following catalog service requires some sort of synchronization or update to maintain a unified data store across the servers involved? a) <b>global</b> b) standalone c) federated d) all of the mentioned	L4
11		How many different protocol types are required for message passing in SOA? a) 1 b) <b>2</b> c) 3 d) 4	L5
12		Point out the wrong statement. a) An ESB is both necessary and essential to a Service Oriented Architecture b) A client connected to an ESB communicates over a network protocol such as HTTP, Representational State Transfer (REST), or Java Message Service (JMS) to a component (or service) c) <b>Messages are most often in the form of the SMIL</b> d) None of the mentioned	L1
13		Which of the following combination is possible in WebSphere ESB? a) XML/JMS b) <b>SOAP/JMS</b> c) SOAP/HTTP d) Governance	L5
14		Which of the following type of virtualization is also characteristic of cloud computing? a) Storage b) Application	L1

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	c) CPU d) <b>All of the mentioned</b>		
15	<p>The technology used to distribute service requests to resources is referred to as _____</p> <p>a) load performing b) load scheduling c) <b>load balancing</b> d) all of the mentioned</p>		L3
16	<p>Point out the correct statement.</p> <p>a) A client can request access to a cloud service from any location b) A cloud has multiple application instances and directs requests to an instance based on conditions c) Computers can be partitioned into a set of virtual machines with each machine being assigned a workload d) <b>All of the mentioned</b></p>		L2
17	<p>Which of the following software can be used to implement load balancing?</p> <p>a) Apache mod_balancer b) <b>Apache mod_proxy_balancer</b> c) F6's BigIP d) All of the mentioned</p>		L2
18	<p>Which of the following network resources can be load balanced?</p> <p>a) Connections through intelligent switches b) DNS c) Storage resources d) <b>All of the mentioned</b></p>		L4
19	<p>Which of the following is a more sophisticated load balancer?</p> <p>a) <b>workload managers</b> b) workspace managers c) rackserve managers d) all of the mentioned</p>		L5
20	<p>A _____ is a combination load balancer and application server that is a server placed between a firewall or router.</p> <p>a) ABC b) ACD c) <b>ADC</b> d) All of the mentioned</p>		L1
21	<p>Which of the following should be replaced with the question mark in the following figure?</p> <div style="text-align: center; margin: 10px 0;"> <pre> graph TD     S[Service] --- Q[?]     Q --- Sh[Shared]     Q --- M[Metered Usage]     Q --- Scal[Scalable]             </pre> </div>		L4

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	<p>a) Abstraction                  b) <b>Virtualization</b>                  c) Mobility Pattern                  d) All of the mentioned</p>	
22	<p>Which of the following correctly represents different types of mobile patterns?                  a.</p> <p>d) All of the mentioned</p>	L5
23	<p>Which of the following tool is used for Web site monitoring service in LAMP ?                  a) <b>Alertra</b>                  b) Cacti                  c) Collectd                  d) None of the mentioned</p>	L2
24	<p>An operating system running on a Type __ VM is a full virtualization.                  a) 4                  b) 3                  c) <b>1</b>                  d) All of the mentioned</p>	L4

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25	In a _____ scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware. a) paravirtualization b) <b>full virtualization</b> c) emulation d) All of the mentioned	L5
26	A _____ image makes a copy or a clone of the entire computer system inside a single container such as a file. a) <b>system</b> b) <b>software</b> c) hardware d) All of the mentioned	L1
27	Allocating more memory to the VMs than what is physically available. The hypervisor can use memory reclamation techniques to take unused memory away from idle VMs and give it to active VMs that will use it. a) What is P2P Conversion b) <b>What is Memory Over Commitment</b> c) What is Resource Management d) What is Binary Translation	L5
28	Amount of CPU and memory reserved for a VM or a child resource pool. a) What is Binary Translation b) <b>Resource Control – Reservation</b> c) Compute Virtualization d) All of the mentioned	L2
29	The hypervisor is directly installed on the x86 based hardware. Bare-metal hypervisor has direct access to the hardware resources. Hence, it is more efficient than a hosted hypervisor. a) Hypervisor Components - VMM b) Hypervisor Components - Kernel c) <b>Hypervisor Components – Bare Metal</b> d) All of the mentioned	L4
30	Ring 0 - OS Ring 1 - Ring 2 - Ring 3 - User applications a) VMWare Vcenter Converter b) Hypervisor Components - Kernel c) * <b>86 Architecture levels</b> d) All of the mentioned	L5