

Total No. of Questions: 6

Total No. of Printed Pages:3

Enrollment No.....



Faculty of Engineering  
End Sem (Even) Examination May-2022  
CS5EL16 Cloud Strategy Planning & Management  
Programme: M.Tech. Branch/Specialisation: CS

Duration: 3 Hrs.

Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d.

- Q.1 i. Secondary activity in Porter that dealing with acquisition of inputs or resources said to be- **1**  
(a) Procurement (b) Resource management  
(c) Infrastructure (d) Development
- ii. Which of the following is the best explanation of business process reengineering? **1**  
(a) Redesigning the organizational structure of a business.  
(b) Redesigning workflow.  
(c) Redesigning products.  
(d) Transformation of business processes for more effective achievement of business goals.
- iii. Which of the following is a responsibility of a chief information officer (CIO)? **1**  
(a) Serving as the principal manager of the Information Systems (IS) department.  
(b) Heading the technology group.  
(c) Evaluating new technologies that are relevant to the organization.  
(d) Developing processes and information systems (IS) that implement business strategy.
- iv. The responsibilities of a \_\_\_\_\_ include advising the chief information officer, executive group, and project managers on emerging technologies. **1**  
(a) Technical writer (b) Chief financial officer  
(c) System analyst (d) Chief technology officer

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- v. In Strategy phase, which of the following are correct step to perform this analysis? **1**  
 (a) Cloud Computing Value Proposition  
 (b) Cloud Computing Strategy Planning  
 (c) Both (a) and (b)  
 (d) Business Architecture Development
- vi. In which phase, IT Architecture Development comes? **1**  
 (a) Strategy Phase (b) Planning Phase  
 (c) Deployment Phase (d) Development Phase
- vii. Point out the wrong statement- **1**  
 (a) SOA provides the standards that transport the messages and makes the infrastructure to support it possible.  
 (b) SOA provides access to reusable Web services over an SMTP network.  
 (c) SOA offers access to ready-made, modular, highly optimized, and widely shareable components that can minimize developer and infrastructure costs.  
 (d) None of these.
- viii. What are the rules of the Zachman Framework? **1**  
 (a) Each cell in the Zachman Framework must be aligned with the cells immediately above and below it.  
 (b) All the cells in each row also must be aligned with each other.  
 (c) Combining the cells in one row forms a complete description of the enterprise from that view.  
 (d) All of these.
- ix. Which one of the following can be considered as a utility is a dream that dates from the beginning of the computing industry itself? **1**  
 (a) Computing (b) Model (c) Software (d) All of these
- x. What type of computing technology refers to services and applications that typically run on a distributed network through virtualized resources? **1**  
 (a) Distributed Computing (b) Cloud Computing  
 (c) Soft Computing (d) Parallel Computing

Q.2 i. What is Porter's value chain analysis? **2**


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- ii. Why is BPR important in business? **3**  
 iii. How BPM and Porter's value chain used to gain competitive advantage? **5**  
 OR iv. Explain D'Aveni's hyper competition model. **5**
- Q.3 i. What does CTO mean in technology? **2**  
 ii. Explain the roles and responsibility of Chief Information Officer (CIO). **8**  
 OR iii. Differentiate the roles and responsibility of CIO and CTO. **8**
- Q.4 i. Write the benefit of PaaS. **3**  
 ii. Explain the IT project planning in the areas of IaaS for banking industry with diagram. **7**  
 OR iii. Prepare a strategic IT Plan using IaaS, PaaS and SaaS. **7**
- Q.5 i. What do you understand by on demand service? **4**  
 ii. Explain the Service Oriented Architecture (SOA) for shared services delivery in public cloud. **6**  
 OR iii. Explain the Service Oriented Architecture (SOA) for shared services delivery in private cloud. **6**
- Q.6 Attempt any two:  
 i. Write short note on Gartner's five pillars of benefit realization. **5**  
 ii. Explain the strategies for managing resources to realize benefit from Private/Public Cloud. **5**  
 iii. What is COBIT and their principles? Also explain the working of it. **5**

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# Scheme of Marking

	<p style="text-align: center;">Faculty of Engineering End Sem (Even) Examination May-2022 Cloud Strategy Planning &amp; Management (T) - CS5EL16 (T)</p>	
	Programme: M.Tech.	Branch/Specialisation: CSE/ Cloud Computing

Note: The Paper Setter should provide the answer wise splitting of the marks in the scheme below.

Q.1	i.	Secondary activity in Porter that dealing with acquisition of inputs or resources said to be	1
		(a) Procurement	
	ii.	Which of the following is the best explanation of business process reengineering?	1
		(d) Transformation of business processes for more effective achievement of business goals	
	iii.	Which of the following is a responsibility of a chief information officer (CIO)?	1
		(a) Serving as the principal manager of the Information Systems (IS) department	
	iv.	The responsibilities of a _____ include advising the chief information officer, executive group, and project managers on emerging technologies.	1
		(d) Chief technology officer	
	v.	In Strategy phase, which of the following are correct step to perform this analysis?	1
		(c) Both (a) and (b)	
	vi.	In which phase, IT Architecture Development comes?	1
		(b) Planning Phase	
	vii.	Point out the wrong statement.	1
		(b) SOA provides access to reusable Web services over an SMTP network	
	viii.	What are the rules of the Zachman Framework?	1
		(d) All of the above	
	ix.	Which one of the following can be considered as a utility is a dream that dates from the beginning of the computing industry	1

		itself?	
		(a) Computing	
		(b) Model x	
		(c) Software x	
		(d) All of the mentioned x	
	x.	What type of computing technology refers to services and applications that typically run on a distributed network through virtualized resources?	1
		(a) Distributed Computing x	
		(b) Cloud Computing	
		(c) Soft Computing x	
		(d) Parallel Computing x	
Q.2	i.	What is Porter's value chain analysis? 2 marks for explanation	2
	ii.	Why is BPR important in business? 3 marks for explanation	3
	iii.	How BPM and Porter's Value Chain used to gain competitive advantage? 5 marks for explanation	5
	OR	iv. Explain D'Aveni's hyper competition model? 5 marks for explanation	5
Q.3	i.	What does CTO mean in technology? 2 marks for definition	2
	ii.	Explain the roles and responsibility of Chief Information Officer (CIO)? 4 marks for role and 4 marks for responsibility	8
	OR	iii. Differentiate the CIO and CTO roles and responsibility?	8
Q.4	i.	Write the benefit of PaaS? 3 marks for 3 points	3
	ii.	Explain the IT Project planning in the areas of IaaS for banking industry with diagram? 4 marks for explanation and 3 marks for diagram	7
	OR	iii. Prepare a strategic IT Plan using IaaS, PaaS and SaaS? 7 marks for explanation	7
Q.5	i.	What do you understand by on demand service? 4 marks to explain	4
	ii.	Explain the Service Oriented Architecture (SOA) for shared services delivery in public cloud? 6 marks for explanation	6
	OR	iii. Explain the Service Oriented Architecture (SOA) for shared services delivery in private cloud? 6 marks for explanation	6
Q.6		Attempt any two: 5 marks for explanation	
	i.	Write short note on Gartner's 5 pillars of benefit realization?	5
	ii.	Explain the strategies for managing resources to realize benefit from Private/Public Cloud?	5



	iii.	What is COBIT and their principles. Also explain the working of it?	5
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2 marks for explanation & definition principles  
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3 marks for explaining working