

BE | IT | VIII CREW - 20/11/2014. X  
Elective: cloud computing.

**QP Code : 15716**

(3 Hours)

[ Total Marks : 100

- N.B. :** (1) Question No. 1 is **compulsory**.  
(2) Out of **remaining** questions, solve any **four**.

1. (a) Explain Cloud computing Architecture and Cloud components 10  
(b) Explain Security concerns in cloud computing 10
2. (a) Explain how Microsoft Azure also different from other open source cloud services explains Microsoft Azure life cycle 10  
(b) Discuss development facilities in Azure Cloud. 10
3. (a) Explain Windows Hypervisor technology and its relevance to Azure. 10  
(b) What do you understand by Mesh? How will you add a system to a Mesh? How will you access a Mesh- Enabled Web application? 10
4. (a) Explain uses Scenarios the advantages of REST over SOA web services. 10  
(b) Briefly explains service oriented architecture and internet service bus. 10
5. (a) Compare Windows Azure Table Storage and SQL Database 10  
(b) Explain how Azure maximizes data availability and minimizes security risk 10
6. (a) Explain cloud queues in detail. 10  
(b) Explain auditing and regulatory standards relevant to adoption of cloud computing. 10
7. (a) Explain the significance of Partition keys and Rows keys in Azure Tables? 5  
(b) Explain AppFabric Service Bus? 5  
(c) Describe a workflow that will illustrate the steps required to develop, build and deploy a simple web role cloud service to the cloud using windows azure 10

BE/IT/VIII (REV)  
Elective :- Mobile & E-Commerce

20/11/2014. X

QP Code :15731

(3 Hours)

[Total Marks : 100

N.B.: (1) Question No.1 is compulsory.

(2) Students are required to solve any four questions out of remaining six questions.

Q1. (a) Outline three reasons why a business may wish to adopt e-commerce

(b) Describe the two main functions of an Internet service provider (ISP).

(c) Explain three different revenue models for Yahoo.

(d) Give three benefits of e-CRM.

Q2. (a) Summarize the differences between adoption of Internet access for consumers and businesses and give reasons for these differences. [10Marks]

(b) Explain the concepts of disintermediation and reintermediation with reference to a particular industry; what are the implications for a company operating in this industry. [10Marks]

Q3. (a) E-business involves re-evaluating value chain activities. What types of changes can be introduced to the value chain through e-business? [10Marks]

(b) For a manufacturer or retailer of your choice, analyse the balance between partnering with portals and providing equivalent services from your web site. [10Marks]

Q4. (a) List the different business models identified by Timmers (1999). [10Marks]

(b) Explain the term 'electronic data interchange'. Is it still relevant to companies? [10Marks]

Q5. (a) Describe the different elements of an e-procurement system. [10Marks]

(b) Summarize the macro-environment variables a company needs to monitor. [10Marks]

Q6. (a) You are developing a testing plan for an e-commerce site. Outline five key aspects of the site you would test. [10Marks]

(b) Explain the relationship between Analysis, Design and Implementation for an e-commerce site. [10Marks]

Q.7 Write short notes on any two: [20 Marks]

i) Viral marketing    ii) Virtual organization    iii) Change Management    iv) M-Commerce

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**LM-Con.:6569-14.**

QP Code : 15796

(3 Hours)

[ Total Marks : 100

- N.B. : (1) Question No. 1 is compulsory.  
 (2) Any **four** from remaining **five** questions.  
 (3) All questions **carry equal** marks.

1. (a) Explain SCSI command model in detail. 10  
 (b) The average I/O size of an application is 64 KB. The following specifications are available from disk manufactures average seek time = 5ms, 7,200 rpm, transfer rate = 40 MB/s. Determine the maximum IOPS that could be performed with the disk for this application. Taking this case an explain, explain the relationship between disk utilization and IOPS. 10
2. (a) Explain different RAID Levels in detail with neat diagram. 10  
 (b) Explain CAS architecture in detail. Also explain its advantages. 10
3. (a) Explain Information Life cycle Management. What are the key challenges in managing information? 10  
 (b) Explain the factors affecting NAS performance and availability in detail. 10
4. (a) Explain failure analysis with respect to business continuity. 10  
 (b) Explain fibre channel architecture in detail. 10
5. (a) Explain in detail storage security Domains and Implementation in storage networking. 10  
 (b) Explain forms and configurations of storage virtualization. 10
6. (a) Explain remote replication technologies with neat diagrams. 10  
 (b) Explain the architecture of Intelligent storage system in detail. 10
7. Write short notes :— 20
  - (a) Zoning
  - (b) LUN and LUN masking
  - (c) Backup granularity
  - (d) Topologies for ISCSI connectivity.

QP Code : 16030

(3 Hours)

[ Total Marks : 100

- N.B. (1) Question No. 1 is **compulsory**.  
(2) Solve any **four** questions from remaining **six** questions.

1. Explain the following :— 20
  - (a) Triple constraints of a project
  - (b) Administrative Closure with respect to project implementation
  - (c) Need for project management
  - (d) Reasons for project failure.
  
2.
  - (a) What is a WBS ? What purpose does it serve ? 3
  - (b) Explain why a project's scope must be tied to the WBS. 3
  - (c) What is the difference between a deliverable and a milestone ? 4
  - (d) Briefly describe the nature of the formal organization and the strengths and weaknesses that it brings to the execution of information technology projects. 10
  
3.
  - (a) Describe the five scope management processes. 10
  - (b) Using an example of each, describe and differentiate between project process and product processes. 5
  - (c) Describe the attributes of a good project manager. 5
  
4.
  - (a) Describe IT project risk identification framework. Explain the types of risks with examples. 10
  - (b) What is change management plan and why is it important for an organization to have ? 10
  
5.
  - (a) Describe any 3 techniques used for project scheduling. 10
  - (b) What is project Risk Management (RM)? What are the RM processes ? 10
  
6.
  - (a) Describe project procurement processes. 10
  - (b) Describe project life cycle and its relation with SDLC ? 10
  
7. Explain with a brief answer :— 20
  - (a) Project Audit
  - (b) Project Metric
  - (c) Explain the difference between AON and PERT
  - (d) Resource Leveling.