

END SEMESTER EXAMINATION, JUNE - 2019
BCA SIXTH SEMESTER

COURSE CODE: BCE313**COURSE TITLE: CLOUD COMPUTING****[Time allotted: Three hours]****[Max. Marks: 100]***Note: Attempt all Sections & Questions.*

Section (A)

Q.1. Attempt all questions.**(2 x 10 = 20)**

- a. What are the characteristic of cloud computing?
- b. What is open stack?
- c. What is JSON?
- d. Write two differences between SAAS and PAAS.
- e. What is web 3.0?
- f. Define use of UDDI.
- g. What is Federated Clouds?
- h. What are current issues of the Cloud Computing?
- i. Name hypervisor developed by Linux and write one use of it.
- j. Write the role of SOA.

Section (B)

Q.2. Attempt any 5 questions.**(7 x 5 = 35)**

- a. What do understand by Cloud Interoperability & Standards? Name any two organizations active in this field.
- b. How cloud computing is influenced by VMM? Define VMM and its types.
- c. Write in detail about community cloud.
- d. Write NIST definition of cloud and explain each term in it?
- e. What are the Design principles of the Cloud Computing Security Architecture?
- f. Define cloud reference model's components. What are their roles?
- g. How to evaluate compliance within a cloud?

Section (C)

Attempt any 3 questions.**(15 x 3 = 45)**

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| Q.3. | a. Define different types of virtualization. Differentiate between attacks on hypervisor through host OS and guest OS. | 8 |
| | b. How we can secure hypervisor from security threats. Name the few open source hypervisor. | 7 |
| Q.4. | a. A cloud environment can be set in four ways. What are they? Which one is best suited for SRHU? | 8 |
| | b. Write in detail about SAAS, PAAS & IAAS. | 7 |
| Q.5. | a. What are SOA and WSDL? What are their roles to provide better services to user? | 8 |
| | b. How advance in hardware and software paved the way for cloud computing? Discuss these advances. | 7 |
| Q.6. | a. Write in detail about AWS. What are the services offered by it? What kinds of services are provided by Google App Engine and Azure? | 8 |
| | b. What are the distributed technologies used in the web services? Explain the role of CORBA. How is it different from web services? | 7 |
| Q.7. | a. What are the cloud security services? Explain in details about the cloud information security fundamental. | 8 |
| | b. What are web services? Explain REST and SOAP standards. | 7 |