

C

Reg. No. :

--	--	--	--	--	--	--	--	--	--

Question Paper Code: 57202

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2019

Seventh Semester

Computer Science Engineering

15UCS702 - INSIGHT INTO CLOUD COMPUTING

(Common to Information Technology)

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

- Which of the following is not an internet technology? CO1- R
(a) Web Services (b) Clusters (c) Service Oriented Architecture (d) Web 2.0
- _____ controls the execution, inspection and termination of VM instances on the host where it runs. CO2- R
(a) Storage Controller (b) Cloud Controller (c) Walrus (d) Node Controller
- Virtual Machine managers are CO3- R
(a) VMWare, vCloud, Eucalyptus (b) Xen, KVM, VMware
(c) EC2, S3, KVM (d) Java, Python, JRuby
- _____ standard is used for packaging the application for cloud platform. CO4- R
(a) CIM (b) SLA (c) OVF (d) MSP
- _____ is the feature of Cloud Computing that allows the service to change in size or volume in order to meet a user's needs. CO5- R
(a) Scalability (b) Virtualization (c) Security (d) Cost Savings

PART – B (5 x 3= 15 Marks)

- | | | |
|-----|--|--------|
| 6. | Draw the cloud computing stack. | CO1- R |
| 7. | Explain the steps to provision VM. | CO2- R |
| 8. | Recall the advantages of the private cloud computing infrastructure. | CO3- R |
| 9. | What is Data Loss or Leakage? | CO4- R |
| 10. | List the challenges in managing heterogeneous clouds. | CO5- R |

PART – C (5 x 16= 80Marks)

- | | | | |
|-----|---|--------|------|
| 11. | (a) Explain the evolution of SaaS and the challenges of SaaS paradigm. | CO1-U | (16) |
| | Or | | |
| | (b) Discuss the Roots of Cloud Computing. | CO1-U | (16) |
| 12. | (a) Identify the Scheduling Techniques for advance reservation of capacity. | CO2-U | (16) |
| | Or | | |
| | (b) Analyze VM migration techniques. | CO2-U | (16) |
| 13. | (a) Analyze the Aneka framework architecture with neat diagram. | CO3-U | (16) |
| | Or | | |
| | (b) Examine the Mapreduce programming model using the wordcount example. | CO3-U | (16) |
| 14. | (a) Discuss security concerns in traditional IT and challenges in cloud computing in terms of application security. | CO4- U | (16) |
| | Or | | |
| | (b) Explain different vendors offering Cloud Security for public and private clouds. | CO4- U | (16) |
| 15. | (a) Discuss the benefits and advantages of multi-cloud management systems. | CO5- U | (16) |
| | Or | | |
| | (b) Discuss the Various Biz Clouds focused on industry domains. | CO5- U | (16) |