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Question Paper Code: 57202

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 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)

1. Cloud computing is an abstraction based on the notion of pooling physical resources and presenting them as a _____ resource. CO1- R
(a) real (b) virtual (c) cloud (d) none of the mentioned
2. Which of the following is best known service model ? CO2- R
(a) SaaS (b) IaaS
(c) PaaS (d) All of the mentioned
3. _____ serves as a PaaS vendor within Google App Engine system CO3- R
(a) Google (b) Amazon
(c) Microsoft (d) All of the mentioned
4. Using a cloud provider for security services is always: CO4- R
(a) Cheaper than doing it on-premise (b) More secure than doing it on-premise
(c) The right thing to do (d) It depends
5. Which of the following is application and infrastructure management software for hybrid multiclouds? CO5- R
(a) VMware Hyperic (b) Webmetrics (c) Univa UD (d) Tapinsystems

PART – B (5 x3= 15 Marks)

6. Define – Cloud Computing.. CO1- R

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| 7. | Draw the Virtual Machine Life Cycle. | CO2- R |
| 8. | How Aneka resource provisioning work on private and public clouds. | CO3- R |
| 9. | What are the challenges of cloud security. | CO4- R |
| 10. | Compare Homogeneous and Heterogeneous Clouds | CO5- R |

PART – C (5 x 16= 80Marks)

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| 11. | (a) Explain in detail about the different cloud deployment Models in detail. | CO1- U | (16) |
| | Or | | |
| | (b) Discuss about the various Cloud deployment models and also show the types of cloud based on deployment models. | CO1-R | (16) |
| 12. | (a) Justify different Virtual Machine Migration Services | CO2 -App | (16) |
| | Or | | |
| | (b) Discuss about the distributed management of Virtual infrastructures and also apply the proper model to achieve the distributed management in cloud computing environment. | CO2 -App | (16) |
| 13. | (a) Discuss the Map reduce programming model and implement the word count example | CO3-U | (16) |
| | Or | | |
| | (b) Discuss in detail about the Aneka framework architecture. | CO3-U | (16) |
| 14. | (a) Explain in detail about cloud security at different levels and also highlight the different venders offering Cloud Security for public and private clouds | CO4- U | (16) |
| | Or | | |
| | (b) Discuss and compare the various vendors who offering the security measures for the cloud environment. | CO4- U | (16) |
| 15. | (a) Describe in detail about the multi cloud management system , and also explain the key features , challenges and applications of multi cloud management systems | CO5- U | (16) |
| | Or | | |
| | (b) Describe in detail about the cloud computing models and services provided for the social networks | CO5- U | (16) |