

**SREE VIDYANIKETHAN ENGINEERING COLLEGE**

(An Autonomous Institution, Affiliated to JNTUA, Anantapur)

**M.C.A. V Semester (SVEC14) Regular/Supplementary Examinations November - 2017****CLOUD COMPUTING****[ MASTER OF COMPUTER APPLICATIONS ]**

Time: 3 hours

Max. Marks: 60

**Answer One Question from each Unit**  
**All questions carry equal marks**

**UNIT-I**

- 1 What is meant by guest operating system in Virtualization? Highlight the key benefits and objectives of Virtualization. 12 Marks
- (OR)**
- 2 Explain the following Virtualization techniques in detail.  
 i) VMware Workstation. 6 Marks  
 ii) Microsoft Hyper-V. 6 Marks

**UNIT-II**

- 3 Define Cloud Computing. Describe the different types of Cloud with a neat diagram. 12 Marks
- (OR)**
- 4 What is NIST model in Cloud Computing? Elaborate the architecture of NIST model with a neat diagram. 12 Marks

**UNIT-III**

- 5 a) Illustrate Google Cloud model in detail. 8 Marks  
 b) Discuss simple Cloud API. 4 Marks
- (OR)**
- 6 Discuss the role of load balancing in Clouds. Explain the instance types of capacity planning in detail. 12 Marks

**UNIT-IV**

- 7 a) Explain about Google app engine. 6 Marks  
 b) What are the features of Amazon simple DB? 6 Marks
- (OR)**
- 8 a) Discuss about Amazon web service components and services. 6 Marks  
 b) Explain various Amazon storage systems. 6 Marks

**UNIT-V**

- 9 a) Give details about the DMTF Cloud management standards. 6 Marks  
 b) Write about the Identity protocol standards in Clouds. 6 Marks
- (OR)**
- 10 a) Discuss about the Windows Azure Identity standards. 6 Marks  
 b) Give details about the Life Cycle Management (LCM) of Cloud. 6 Marks

