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**MASTER OF BUSINESS ADMINISTRATION
(NETWORK INFRASTRUCTURE
MANAGEMENT)
(MBANIM)**

Term-End Examination

December, 2013

**MCRI-022 : INTRODUCTION TO
VIRTUALISATION AND CLOUD COMPUTING**

Time : 3 hours

Maximum Marks : 100

*Note : Answer **any five** questions. Each question carries **equal** marks.*

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| 1. | (a) Write and explain in detail various cloud deployment models. | 10 |
| | (b) Compare each model with their merits and limitations. | 5 |
| | (c) Recommend ideal model and defend on recommended model. | 5 |
| 2. | Explain on service oriented. | |
| | (a) Modeling Framework. | 10 |
| | (b) Compare SOA with web 2.0 and merits and limitations of both. | 10 |
| 3. | Explain in detail on : | |
| | (a) Server virtualization | 5 |
| | (b) Memory virtualization | 5 |
| | (c) Network virtualization | 5 |
| | (d) Write merits and limitations of the above three with the associated physical components without virtualization. | 5 |

4. Write and explain on : 10
- (a) Cloud Infrastructure Management. 10
 - (b) Explain on Implementation of Service Oriented Architecture (SOA) using SOAP technology. 10
5. (a) What is a virtual machine ? Write a step-wise procedure to create a virtual machine using Hyper-V. Take assumptions as needed. 10
- (b) Write and explain various security issues that one to be addressed in respect of virtualization done at server, memory and storage. 10
6. (a) What is Xen ? Explain in detail on Xen. 10
- (b) Explain on logical volume management. Write also features of it. 10
7. Write short notes on the following : 20
- (a) VMWARE
 - (b) Cloud Governance
 - (c) Para virtualization
 - (d) Cloud vs Grid computing
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