Reg. No. \_\_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **17CS2062** | **Duration :** | **3hrs** |
| **Sub. Name :** | **VIRTUALIZATION** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Discuss on the context of using Teaming and Load Balancing inVirtual Machines. | CO1 | 5 |
| b. | Examine the concept of RAID applications over Hardware RAID and Software RAID and show how storage performance can be maximized. | CO3 | 15 |
| **(OR)** | | | | |
| 2. | a. | Distinguish the VMware ESX from GSX server with their Host specifications. | CO2 | 15 |
| b. | Identify the important aspects on Host requirements while Selecting a mother board. | CO2 | 5 |
|  |  |  |  |  |
| 3. | a. | Demonstrate the installation on VMware workstation for Linux using RPMs. | CO5 | 15 |
| b. | Implement the steps needed to mount ISO images in ESX Server console. | CO3 | 5 |
| **(OR)** | | | | |
| 4. | a. | Elucidate on building a Linux Virtual Machine in Microsoft Virtual PC by installing Virtual Machine applications. | CO4 | 15 |
| b. | Examine how VMware application support taking online snapshots. | CO3 | 5 |
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| 5. | a. | Inspect the steps followed on installing the VMware Management Interface in guest VMs. | CO4 | 10 |
| b. | Differentiate between the working principles of the VMware Virtual Machine Console along with Server Console. | CO5 | 10 |
| **(OR)** | | | | |
| 6. | a. | Describe the implementation of Round Robin DNS over multiple servers. | CO3 | 5 |
| b. | Discuss on Copying and Moving VMware Workstation Guest VMs and show how the performance of workload can be balanced. | CO5 | 15 |
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| 7. |  | Classify important key phases of Load Balanced Cluster Planning along with its cost analysis. | CO4 | 20 |
| **(OR)** | | | | |
| 8. |  | Illustrate the deployment of setting up iSCSI windows server clusters that can support virtual SCSI disks. | CO5 | 20 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Explain the Active-Passive Clusters with its experimental setup. | CO6 | 5 |
| b. | Describe the different aspects of technologies reviewing the elements of the Virtualized Information System. | CO6 | 15 |