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



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

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|  |  |  |  |
| **Code :** | **14CS2043** | **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. | Write about VMware ESX and GSX server with their Host specifications. | CO1 | 5 |
| b. | Examine the important aspects on Host requirements while Selecting a mother board. | CO3 | 15 |
| **(OR)** | | | | |
| 2. | a. | Write in detail on computer components involved with virtual machines. | CO1 | 15 |
| b. | Discuss the importance of NAT protocol. | CO2 | 5 |
|  |  |  |  |  |
| 3. | a. | Experiment the installation on VMware workstation for Linux using RPMs. | CO2 | 15 |
| b. | Write the steps needed to mount ISO images in ESX Server console. | CO3 | 5 |
| **(OR)** | | | | |
| 4. | a. | Discuss on building a Linux Virtual Machine in Microsoft Virtual PC by installing virtual machine additions to it. | CO4 | 15 |
| b. | Write about taking online snapshots supported in the VMware virtualization applications. | CO3 | 5 |
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| 5. |  | Write the steps followed on managing CPU for a virtual machine. | CO4 | 20 |
| **(OR)** | | | | |
| 6. |  | Write about important concepts on managing storage for a virtual machine. | CO3 | 20 |
|  |  |  |  |  |
| 7. | a. | Explain about Installing Management Console and Machine console. | CO3 | 15 |
| b. | Write about Viewing Configuration file in Linux. | CO3 | 5 |
| **(OR)** | | | | |
| 8. |  | Explain about virtualizing Storage RAID and its types. | CO2 | 20 |
|  | | **Compulsory**: |  |  |
| 9. |  | Write about applying shared storage model and adding fault tolerance to SAN. | CO4 | 20 |