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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**Supplementary Examination – June – 2017**

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| **Code :** | **14CS2025** | **Duration :** | **3hrs** |
| **Sub. Name :** | **IT INFRASTRUCTURE AND MANAGEMENT** | **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. | List out the requirements of IT infrastructure and management in large scale IT inductries. | CO1 | 10 |
| b. | Is security patterns are important in IT infrastructure management? If answer is Yes / No.  Justify your answer with proper examples and Diagram. | CO1 | 10 |
| (OR) | | | | |
| 2. |  | Is it possible to Provide 100% availability of the IT system? If yes / no substantiate your answers. | CO2 | 20 |
| 3. |  | Draw the block diagram of IBM Mainframe architecture and list out the major requirements | CO1 | 20 |
| (OR) | | | | |
| 4. |  | How to incrase the availability of the data in a real time system? Exaplain this scenario with example. | CO2 | 20 |
|  | | | | |
| 5. |  | Explain the classification for datacenters and discuss how to provide security for a remote data center. | CO1 | 20 |
| (OR) | | | | |
| 6. |  | How to improve the CPU performance with the help of pipelining? | CO2 | 20 |
|  | | | | |
| 7. |  | Explain RAID architecture for data retendancy and availability. | CO4 | 20 |
| (OR) | | | | |
| 8. |  | What is Virtual Desktop? How to provide security in virtual environment? Explain your answer with proper example. | CO2 | 20 |
|  | | **Compulsory**: |  |  |
| 9. |  | Coimbatore Head Post office is try to expand the services to nearby villages in Coimbatore. They are having IBM server with main frame platform support. Head post office wants to implement the virtualization. During the implementation, what are the areas need to be concentrated. Discuss your Implementation procedure. | CO4 | 20 |

ALL THE BEST