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**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

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

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

**End Semester Examination – Nov/Dec - 2016**

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|  |  | **Semester :** | **2016-17 ODD** |
| **Code :** | **14CS2025** | **Duration :** | **3 hrs** |
| **Sub. Name :** | **IT Infrastructure and Management** | **Max. marks :** | **100** |

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| **Q. No.** | **Questions** | **Marks** |
| **PART-A(10X1=10 MARKS)** | | |
| 1. | Define data center. | (1) |
| 2. | Write the difference between SAN and network attached storage. | (1) |
| 3. | Write the goals of Security in IT infrastructure management. | (1) |
| 4. | List out functional attributes. | (1) |
| 5. | What is the need for IT infrastructure Management ? | (1) |
| 6. | What is Demarcation Point? | (1) |
| 7. | VMS means \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | (1) |
| 8. | How to measure the packet switched network latency? | (1) |
| 9. | A Shell Provides a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the Operating System. | (1) |
| 10. | Define Network access control. | (1) |

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| **PART B(5 X 3= 15 MARKS)** | | |
| 11. | How to create a digital signature? | (3) |
| 12. | What is scripting in operating system? | (3) |
| 13. | Write the list of nonfunctional attributes. | (3) |
| 14. | Write the differences between RISC and CISC. | (3) |
| 15. | Define Risk. | (3) |

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| **PART C(5 X 15= 75 MARKS)** | | | |
| 16. |  | Explain any three performance metrics with proper example. | 15 |
| (OR) | | | |
| 17. |  | Can you provide 100% availability of the IT system? If no substantiate your answers. | 15 |
| 18. |  | Explain the classification for datacenters and discuss: How to provide security for a remote data center? | 15 |
| (OR) | | | |
| 19. |  | How to improve the CPU performance with the help of pipelining? | 15 |
| 20. |  | Is security patterns are important in IT infrastructure management?  Also Explain the types of security patterns. | 15 |
| (OR) | | | |
| 21. |  | How to handle the Risk? Explain the ways to handle risks. | 15 |
| 22. |  | What is Virtual Desktop? How to provide security in virtual environment? ( Explain your answer with proper example) | 15 |
| (OR) | | | |
| 23. |  | Discuss Memory Management in OS with proper example. | 15 |
| 24. |  | How to improve the network performance? ( Discuss the answer with proper example) | 15 |
| (OR) | | | |
| 25. |  | Explain RAID levels with proper example. | 15 |

ALL THE BEST