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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

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

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

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|  |  | **Semester :** | **2016-17 ODD** |
| **Code :** | **14CS3029** | **Duration :** | **3hrs** |
| **Sub. Name :** | **Network Management** | **Max. marks :** | **100** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Discuss the evolution of distributed computing environments. | CO1 | 10 |
| b. | Describe the TCP/IP based networks with neat diagram. | CO1 | 10 |
| (OR) | | | | |
| 2. |  | Explain the network management functional groupings. | CO1 | 20 |
|  | | | | |
| 3. | a. | How does management informations are structured in SNMPv1. | CO1,CO2 | 15 |
|  | b. | Wrtie short notes on Management Information Base with an example. | CO1 | 5 |
| (OR) | | | | |
| 4. | a. | With a neat sketch, explain the protocol operations of SNMPv1. | CO2 | 15 |
|  | b. | Discuss the community based security model of SNMPv1. | CO2 | 5 |
|  | | | | |
| 5. |  | Explain the structure of management information in SNMPv2. | CO2 | 20 |
| (OR) | | | | |
| 6. | a. | Discuss the major changes of SNMPv2. | CO2 | 12 |
|  | b. | Illustrate how does SNMPv2 manages bulk transfer with neat sketch. | CO2 | 8 |
|  | | | | |
| 7. |  | Explain the architecture of SNMPv3 with neat sketch. | CO2 | 20 |
| (OR) | | | | |
| 8. | a. | Discuss the User based Security Model of SNMPv3. | CO1,CO2 | 12 |
|  | b. | Illustrate the various phases of View Based Access Policy in SNMPv3. | CO2 | 8 |
|  | | | | |
|  | | **Compulsory:** |  |  |
| 9. | a. | Discuss the ATM Remote Monitoring with suitable diagrams. | CO2 | 8 |
|  | b. | Explain the web based network management with neat sketch. | CO2 | 12 |

ALL THE BEST