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

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**End Semester Examination – Nov/Dec – 2018**

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| **Code :** | **14CS3029** | **Duration :** | **3hrs** |
| **Sub. Name :** | **NETWORK 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. | Discuss about communication protocols and standards. | CO1 | 5 |
| b. | Explain the network management functional groupings with neat sketch. | CO1 | 10 |
| c. | Draw the management information tree structure for internet object. | CO1 | 5 |
| (OR) | | | | |
| 2. | a. | Describe the different types of network management model. | CO1 | 6 |
| b. | Classify the common network problems. | CO1 | 6 |
| c. | Elaborate on SNMP Network Management Architecture with neat sketch | CO1 | 8 |
|  |  |  |  |  |
| 3. | a. | Explain the structure of management information for SNMPv1 | CO1 | 12 |
| b. | Describe the construction type List maker with an example. | CO1 | 8 |
| (OR) | | | | |
| 4. | a. | How does SNMPv1 manages security using SNMP Community. | CO1 | 5 |
| b. | With neat sketch, explain the basic operations of SNMPv1. | CO1 | 15 |
|  |  |  |  |  |
| 5. | a. | Describe the major changes in SNMP v2. | CO2 | 10 |
| b. | Illustrate the textual convention rowstatus in SNMPv2 with Row Creation and Deletion. | CO2 | 5 |
| c. | Demonstrate the bulk-data transfer operation in SNMPv2. | CO2 | 5 |
| (OR) | | | | |
| 6. | a. | Construct the architecture of SNMPv2 with description. | CO2 | 8 |
| b. | Discuss the SNMPv2 structure of management information. | CO2 | 12 |
|  |  |  |  |  |
| 7. | a. | With neat sketch explain the architecture of SNMPv3. | CO2 | 10 |
| b. | Discuss the User Based Security model in SNMPv3 with neat sketch. | CO2 | 10 |
| (OR) | | | | |
| 8. | a. | Discuss about any five network management tools. | CO3 | 8 |
| b. | Explain the context of RMON1 groups and functions. | CO3 | 12 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | Describe how web interfaces helps SNMP management. | CO3 | 8 |
| b. | Explain the concept of web based enterprise management with neat sketch. | CO3 | 12 |