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

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

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| **Code :** | **14CS2041** | **Duration :** | **3hrs** |
| **Sub. Name :** | **IP TV AND INTERNET VIDEO** | **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. | Recall various arguments favouring IPTV. | CO2 | 10 |
|  | b. | Classify the various service attributes of IPTV and IPVOD delivery systems. | CO2 | 10 |
| (OR) | | | | |
| 2. | a. | Explain the different categories of IP networks. | CO1 | 10 |
| b. | Brief about Network Jitters and bandwidth utilization. | CO1 | 10 |
|  |  |  |  |  |
| 3. | a. | List out and Explain the various cost elements of Internet Video. | CO1 | 10 |
| b. | Discuss on the various types of VOD Services. | CO2 | 10 |
| (OR) | | | | |
| 4. | a. | Explain in detail about   1. Streaming Servers 2. Ingest Server | CO2 | 10 |
| b. | Illustrate and explain the architectures of centralized and distributed server. | CO2 | 10 |
|  |  |  |  |  |
| 5. | a. | Elaborate on the key parts in an IP address. | CO2 | 10 |
| b. | List out different applications where video server is commonly used. | CO2 | 10 |
| (OR) | | | | |
| 6. | a. | Comment on the influence of Group of Pictures in video compression. | CO2 | 10 |
| b. | Explain the DSL technologies with suitable diagram. | CO2 | 10 |
|  |  |  |  |  |
| 7. | a. | Appraise on the streaming system architecture with suitable diagram. | CO2 | 10 |
| b. | List and explain the advantages and disadvantages of streaming. | CO2 | 10 |
| (OR) | | | | |
| 8. | a. | Appraise of the various functions of a set top box. | CO2 | 10 |
| b. | List out and explain the various functions of user interface in a set top box. | CO2 | 10 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Discuss in detail on the future trends in IPTV. | CO1 | 20 |