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



**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **17CS2045** | 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. | Describe the success of IP TV in France and how does it can be applied to other locations? | | CO2 | 20 |
| (OR) | | | | | |
| 2. | a. | Consider there are powerful forces driving the use of IP networks for video transport, there are potential drawbacks of this new technology. Hence, write about the arguments available against IP Video. | | CO1 | 20 |
| 3. | a. | Explain with the neat architectural diagrm to establish the typical IP TV network. | | CO1 | 20 |
| (OR) | | | | | |
| 4. | a. | Report the number of software functions typically found in the IP TV systems. | | CO1 | 20 |
| 5. | a. | Quote the reasons for why compression is used for IP TV and Internet Video systems. | | CO3 | 20 |
| (OR) | | | | | |
| 6 | a. | Express about audio compression and video compression techniques and give example. | | CO3 | 20 |
| 7. | Write short notes on the following. | | |  |  |
|  | a. | Digital Rights Management (DRM). | | CO5 | 10 |
|  | b. | Apple’s fair play DRM system for iTunes. | | CO5 | 10 |
| (OR) | | | | | |
| 8. | a. | Report some of the common causes of artifacts in an IP video delivery system and how they can be avoided? | CO4 | | 20 |
|  | | **Compulsory:** |  | |  |
| 9. | a. | Describe the DSL network components that must be configured strategically for performance and cost-effectiveness. | CO6 | | 20 |