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



**End Semester Examination – Nov/Dec – 2017**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| **Code :** | **14CS2041** | **Duration :** | **3hrs** |
| **Sub. Name :** | **IP TV AND INTERNET VIDEO** | **Max. marks :** | **100** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Explain the system architecture of IPTV with suitable diagram. | CO1 | 20 |
| (OR) | | | | |
| 2. | a. | Explain the different types of physical networks used to transport IP data. | CO1 | 10 |
| b. | Discuss the characteristics of IPTV in detail. | CO1 | 10 |
|  |  |  |  |  |
| 3. | a. | Distinguish MPEG–1, MPEG–2 and MPEG–4 video compression standards. | CO2 | 10 |
|  | b. | Discuss the types of IP network and key parts of it. | CO1 | 10 |
| (OR) | | | | |
| 4. |  | Explain in detail about  i. Live Streaming Servers. ii. Advertising Servers. | CO1 | 20 |
|  |  |  |  |  |
| 5. | a. | Explain the various types of Video on demand servers. | CO1 | 10 |
|  | b. | Illustrate the different applications where video server is commonly used. | CO1 | 10 |
| (OR) | | | | |
| 6. |  | Explain the DSL technologies with suitable diagram. | CO3 | 20 |
|  |  |  |  |  |
| 7. |  | Define Content creation workflow. Explain it with suitable diagram. | CO3 | 20 |
| (OR) | | | | |
| 8. | a. | Describe the key functionalities often provided by middleware. | CO3 | 10 |
|  | b. | Compare and contrast IPTV and streaming. | CO3 | 10 |
|  |  |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Explain the basic functional elements and features of STB. | CO3 | 20 |

ALL THE BEST