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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

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

**Supplementary Examination – June – 2017**

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|  |  |  |  |
| **Code :** | **14CS2041** | **Duration :** | **3hrs** |
| **Sub. Name :** | **IPTV 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. |  | Explain the system architecture of IPTV with suitable diagram. | CO1 | 20 |
| (OR) | | | | |
| 2. | a. | Discuss the characteristics of IPTV in detail. | CO1 | 10 |
| b. | Explain the different types of physical networks used to transport IP data. | CO1 | 10 |
|  |  |  |  |  |
| 3. | a. | Distinguish MPEG–1, MPEG–2 and MPEG–4 video compression standards. | CO2 | 10 |
|  | b. | “Quality and security are important for any video delivery system”. Justify this statement based on a viewer’s experience with necessary examples. | CO1 | 10 |
| (OR) | | | | |
| 4. |  | Explain in detail about  a. Live Streaming Servers   1. Advertising Servers | CO2 | 10  10 |
|  |  |  |  |  |
| 5. | a. | Explain the various types of Video on demand servers. | CO2 | 10 |
|  | b. | Illustrate the different applications where video server is commonly used. | CO2 | 10 |
| (OR) | | | | |
| 6. |  | Explain the DSL technologies with suitable diagram. | CO2 | 20 |
|  |  |  |  |  |
| 7. |  | Define Content creation workflow. Explain it with suitable diagram. | CO2 | 20 |
| (OR) | | | | |
| 8. | a. | Describe the key functionalities often provided by middleware. | CO2 | 10 |
|  | b. | Compare and contrast IPTV and streaming. | CO1 | 10 |
|  |  |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Explain the basic functional elements and features of STB. | CO2 | 20 |

ALL THE BEST