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



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

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

**End Semester Examination – Nov/Dec – 2016**

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|  |  | **Semester :** | **2016-17 ODD** |
| **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. |  | Explain in detail about the typical software capabilities. | (CO1) | (20) |
| (OR) | | | | |
| 2. | a. | Explain the concept of IP Network Flexibility, IP cost advantages, Ip Ubiquity. | (CO1) | (10) |
| b. | Brief about Network Jitters and Pioneer Syndrome. | (CO1) | (10) |
| 3. | a. | What are the system operators have two choices for handling EPG functions? | (CO1) | (10) |
|  | b. | Explain from the architecture shown below, how does the internet video function.  https://upload.wikimedia.org/wikipedia/en/thumb/a/aa/VS_Picture2.png/600px-VS_Picture2.png | (CO1) | (10) |
| (OR) | | | | |
| 4. | a. | Explain the concept of Unicasting vs. Multicasting.  http://courses.ischool.berkeley.edu/i224/s99/GroupA/image24.jpg | (CO1) | (10) |
|  | b. | How is Internet Video System been constructed? | (CO1) | (10) |
| 5. | a. | What are the various key parts of an IP Network? Explain them in detail. | (CO1) | (10) |
|  | b. | Describe the reality check on Canby Telecom – System Construction, Services offered, Investment and their results. | (CO1) | (10) |
| (OR) | | | | |
| 6. |  | How is MPEG been established? Explain the various types of MPEG types. | (CO1) | (20) |
| 7. | a. | Explain in detail about the Video servers and their usage in real time. | (CO1) | (10) |
|  | b. | What is the difference between advertising servers and live streaming servers? | (CO1) | (10) |
| (OR) | | | | |
| 8. | a. | What is meant by bandwidth for a triple play – “HD future”? | (CO1) | (10) |
|  | b. | Explain the functioning of various video and audio outputs. | (CO1) | (10) |
|  | | **Compulsory:** |  |  |
| 9. | a. | Compare and Contrast IPTV and Streaming Comcept. | (CO1) | (10) |
|  | b. | Explain from the architecture, streaming system architecture in detail.  http://wwwconference.org/www10/cdrom/papers/183/arch.gif | (CO1) | (10) |

ALL THE BEST