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



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

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| **Code :** | **17CS3047** | **Duration :** | **3hrs** |
| **Sub. Name :** | **INTERNETWORKING MULTIMEDIA** | **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 Internet Service Model available for supporting multimedia traffic. | CO1 | 10 |
| b. | Explain the contribution and message types of RSVP protocol for making a reservation in the network. | CO1 | 10 |
| **(OR)** | | | | |
| 2. | a. | Discuss the IP and ATM hybrid approach for building a fast Internet. | CO1 | 10 |
| b. | Elucidate the mechanism for providing QoS guaranteed routing. | CO1 | 10 |
|  |  |  |  |  |
| 3. |  | Explain the various Multicast routing protocols with examples. | CO1 | 20 |
| **(OR)** | | | | |
| 4. | a. | Compare the various encoding and compression techniques applied to still and moving images. | CO2 | 10 |
| b. | Explain the dictionary-based compression approach with example. | CO2 | 10 |
|  |  |  |  |  |
| 5. | a. | Discuss the design of RTP and RTCP for reliable transport with its header format. | CO3 | 10 |
| b. | Elaborate on ITU model H.320/T.GCC to achieve multisite conferencing. | CO5 | 10 |
| **(OR)** | | | | |
| 6. | a. | Describe the working of SDP, SAP and SIP for session setup and announcement for making multimedia calls. | CO4 | 15 |
| b. | Brief on the major task of Conference Control Channel Protocol (CCCP). | CO5 | 5 |
|  |  |  |  |  |
| 7. |  | Elaborate on the basic building block of Mbone, data model and limitation of the data model of the shared editor. | CO6 | 20 |
| **(OR)** | | | | |
| 8. |  | Explain the concepts of Distributed Virtual Reality and its performance requirements. | CO6 | 20 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Summarize the multimedia and playback systems. | CO6 | 10 |
| b. | Discuss the security requirements on which the network operates between different parties. | CO6 | 10 |