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



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

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|  |  |  |  |
| **Code :** | **17MT2037** | **Duration :** | **3hrs** |
| **Sub. Name :** | **BROADCAST TECHNOLOGY** | **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. | Discuss about Resistors and its types in detail. | CO2 | 15 |
| b. | Explain Voltage Dividers. | CO2 | 5 |
| **(OR)** | | | | |
| 2. | a. | Explain the RL series circuit in detail. | CO2 | 12 |
| b. | Discuss about logic gates. | CO3 | 8 |
|  |  |  |  |  |
| 3. | a. | Distinguish between TCP and UDP. | CO2 | 8 |
| b. | Explain DNS. | CO2 | 4 |
| c. | Explain ARP. | CO2 | 4 |
| d. | Define PING. | CO2 | 4 |
| **(OR)** | | | | |
| 4. | a. | Write about NAS system in detail. | CO1 | 14 |
| b. | Classify RAID Technology and its types. | CO1 | 6 |
|  |  |  |  |  |
| 5. | a. | Explain Digital Television System in detail. | CO1 | 14 |
| b. | Write about the Timecode Frames. | CO2 | 6 |
| **(OR)** | | | | |
| 6. | a. | Explain in detail the audio encoder interface. | CO3 | 15 |
| b. | Discuss about MAM system. | CO3 | 5 |
|  |  |  |  |  |
| 7. | a. | Draw the block diagram of a studio/OB camera. | CO3 | 10 |
|  | b. | Digital videotape recoder. | CO3 | 10 |
| **(OR)** | | | | |
| 8. | a. | Illustrate static portraiture. | CO2 | 8 |
| b. | Explain in detail the Transposer Configuration. | CO3 | 12 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. | a. | Explain vehicle mounted and transportable earth station. | CO2 | 12 |
| b. | Explain multiplexing. | CO1 | 8 |