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

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**End Semester Examination – Nov/Dec– 2018**

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| **Code :** | **14CS2030** | **Duration :** | **3hrs** |
| **Sub. Name :** | **MULIMEDIA SYSTEMS AND DESIGN** | **Max. marks :** | **100** |

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

|  |  |  |  |  |
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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | List out the multimedia element which is used in the digital marketing and explain them. | CO1 | 20 |
| (OR) | | | | |
| 2. | a. | Justify ”how the multimedia application improve the quality in the entertainment” | CO1 | 10 |
| b. | Classify the various multimedia objects and their usage. | CO1 | 10 |
|  |  |  |  |  |
| 3. |  | Suggest the compression method which photographer can store the image effectively and elaborate the working mechanism. | CO2 | 20 |
| (OR) | | | | |
| 4. | a. | What is meant by data compression? Describe the types of compression. | CO2 | 12 |
| b. | Compress the following data using RLE method.  i.wooooorrrrrlldooooffcccccaaarrrreeeee  ii.mmmmmmuultttimeeeeeeddddiaaaaaa | CO2 | 8 |
|  |  |  |  |  |
| 5. | a. | Draw the components diagram of digital camera and elaborate the function of each component. | CO1 | 10 |
| b. | Discuss briefly on the different types of image scanners. | CO1 | 10 |
| (OR) | | | | |
| 6. |  | How does an electronic pen work and explain the key issues in using the pen system. | CO1 | 20 |
|  |  |  |  |  |
| 7. | a. | Explain where and why would use magnetic storage in the multimedia system. | CO3 | 10 |
| b. | Elaborate the workflow in multimedia application. | CO3 | 10 |
| (OR) | | | | |
| 8. |  | Summarize the various level of RAID and how it important to storage Technology. | CO3 | 20 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | List out the virtual reality design consideration and elaborate how these considerations will improve the performance of the system. | CO1 | 20 |