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



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

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| **Code :** | **17MC2022** | Duration : | **3hrs** |
| **Sub. Name :** | **VISUAL EFFECTS** | 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 the various techniques used for compositing in the history of visual effects. | CO1 | 10 |
| b. | Distinguish the procedure for different matter extraction. | CO1 | 10 |
| (OR) | | | | |
| 2. | a. | With neat diagrams, explain the various types of Chroma subsampling. | CO1 | 10 |
| b. | Explain the importance of Bit Depth and the application of normalization in images used in compositing. | CO1 | 10 |
|  |  |  |  |  |
| 3. | a. | Explain the image manipulation operators and image compositing operators. | CO3 | 20 |
| (OR) | | | | |
| 4. | a. | With neat diagrams, explain HSV. | CO2 | 10 |
|  | b. | Define color space and color gamut with few examples. | CO2 | 10 |
|  |  |  |  |  |
| 5. | a. | Discuss the basic steps to effectively track a feature and bring an element into a live footage. | CO2 | 10 |
|  | b. | Describe various User Interface types found in compositing softwares. | CO2 | 10 |
| (OR) | | | | |
| 6. | a. | Summarize about the flow of VFX pipeline. | CO2 | 10 |
|  | b. | Elaborate on various geometrical transforms. | CO2 | 10 |
|  |  |  |  |  |
| 7. | a. | List out and explain the various Film and television formats used in industry with neat diagrams. | CO2 | 20 |
| (OR) | | | | |
| 8. | a. | Discuss the basic steps to effectively track a feature and bring an element into a live footage. | CO2 | 10 |
|  | b. | Explain Z-Depth compositing & Multipass rendering. | CO3 | 10 |
|  | | **Compulsory**: |  |  |
| 9. | a. | Compare Green screen vs blue screen vs Red Screen. Discuss the advantages and disadvantages in compositing. | CO3 | 10 |
|  | b. | List out the parameters that the VFX supervisor must make a note off with regard to lighting and shooting with green matte. | CO3 | 10 |