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

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

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| **Code :** | **14MT2017** | **Duration :** | **3hrs** |
| **Sub. Name :** | **DIGITAL COLOR CORRECTION** | **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. | Write your investigation on usage of colors in the film “The Grand Budapest Hotel”. | CO1 | 8 |
| b. | Criticize; in a film does color convey emotions. | CO1 | 4 |
| c. | Discuss the color psychology. | CO1 | 8 |
| (OR) | | | | |
| 2. | a. | Describe the Zone system and its importance. | CO1 | 14 |
| b. | Give understanding of below:  i. Highlights. ii. Midtones. iii. Shadows. | CO1 | 6 |
|  |  |  |  |  |
| 3. | a. | Define color space. Differentiate following color space with neat diagram: sRGB, Adobe RGB, ACES, Rec 709, Rec 2020, ProPhoto RGB | CO2 | 15 |
| b. | Brief the understanding of CIE chromaticity diagram. | CO2 | 5 |
| (OR) | | | | |
| 4. | a. | List out various color temperature of light. | CO2 | 8 |
| b. | Outline how perceive of color by our eyes is effected based on the surrounding environment. | CO2 | 8 |
| c. | Identify the importance of reference spot in colorist suite and mention its color temperature. | CO2 | 4 |
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| 5. | a. | In Chroma Subsampling, give the significant meaning of these ratios 4:4:4, 4:2:2 & 4:0:0. | CO3 | 10 |
| b. | Demonstrate the importance and application of Bit depth in Digital Color correction. | CO3 | 10 |
| (OR) | | | | |
| 6. | a. | Explain the following scopes with neat diagram.  i. Vectorscope ii. Waveform iii. Histogram  iv. RGB parade v. 100IRE | CO1 | 15 |
| b. | Demonstrate the step to calibrate a Video Monitor. | CO1 | 5 |
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| 7. | a. | Describe the overview of DaVinci Resolve 15. |  | 6 |
| b. | Explain the following parameters of Node interface.   1. Node editor Interface. 2. Keeping Node Trees Organized. 3. Compound Node. 4. Serial & Parallel Node structure. | CO1 | 8+2+2+2 |
| (OR) | | | | |
| 8. | a. | Describe the construction of Spot Color Correction for a shot. | CO3 | 10 |
| b. | Demonstrate the conversion of Day to Night Shot. | CO3 | 10 |
|  | | **Compulsory**: |  |  |
| 9. |  | Demonstrate the processes and workflow for production and post- production of ACES. | CO3 | 20 |