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



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

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| **Code :** | **19MT2001** | **Duration :** | **3hrs** |
| **Sub. Name :** | **TECHNOLOGY OF DIGITAL PHOTOGRAPHY** | **Max. Marks :** | **100** |

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| **Q. No.** | **Questions** | **Course Outcome** | **Marks** |
| **PART – A 10X1 = 10 MARKS)** | | | |
| 1. | Mention the camera angle that portrays the dominance of a character. | CO1 | 1 |
| 2. | Write the focal length of a wide angle lens. | CO2 | 1 |
| 3. | Achromatic lenses are designed to bring in light of three wavelength to focus. [TRUE / FALSE] | CO2 | 1 |
| 4. | Recite the elements of exposure triangle. | CO1 | 1 |
| 5. | Match the following:  Standard Illuminant A - Cool light  - Incandescent Light  - Daylight | CO5 | 1 |
| 6. | Cones are the cells that are sensitive to colors. [TRUE / FALSE]. | CO1 | 1 |
| 7. | Expand CMOS. | CO3 | 1 |
| 8. | Identify the image noise that forms a spatially fixed pattern across the image. | CO2 | 1 |
| 9. | Mention any two commonly used image file formats. | CO6 | 1 |
| 10. | List the types of light sources. | CO5 | 1 |

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| **PART – B (6 X 3 = 18 MARKS)** | | | |
| 11. | Write the uses of aperture. | CO1 | 3 |
| 12. | Explain the uses of a special lens. | CO2 | 3 |
| 13. | Define subtractive mixing. | CO3 | 3 |
| 14. | Write a short note on temporal noise. | CO2 | 3 |
| 15. | Summarize the steps to be followed while setting up lighting for product photography. | CO5 | 3 |
| 16. | List the drawbacks of image manipulation. | CO6 | 3 |

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| **PART – C (6 X 12 = 72 MARKS)**  **(Answer any five Questions from Q.no 17 to 23. Q.No 24 is a Compulsory Question)** | | | | |
| 17. |  | Research on various accessories of a DSLR with their uses. | CO2 | 12 |
| 18. |  | Lens has greater influence on the quality of image. Justify. | CO4 | 12 |
| 19. |  | Analyze the different light sources and their characteristics. | CO5 | 12 |
| 20. |  | Inspect the image artifacts associated with sensors. | CO3 | 12 |
| 21. |  | Using lenses created for 35mm camera on DSLR camera is boon. Justify. | CO1 | 12 |
| 22. |  | Categorize the lighting equipment used in a photography studio. | CO5 | 12 |
| 23. |  | Elaborate the factors to be considered while buying used lens. | CO3 | 12 |
|  |  | **Compulsory:** |  | |
| 24. |  | Illustrate the workflow of digital image manipulation. | CO6 | 12 |