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Manipal Institute of Technology, Manipal

(A Constituent Institute of Manipal University)



V SEMESTER B.TECH (PRINT AND MEDIA TECHNOLOGY)

MAKE-UP EXAMINATIONS, DEC 2015 – JAN 2016

SUBJECT: DIGITAL PHOTOGRAPHY [PME 307]

REVISED CREDIT SYSTEM

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ANY FIVE FULL** questions.
- ❖ Missing data may be suitable assumed.

- 1A.** Explain the twelve considerations during the shooting phase of photographic workflow. **4**
- 1B.** Explain four features each of three artificial light sources used in digital photography. **3**
- 1C.** Explain the three auto focusing modes in Viewfinder Photography. **3**
- 2A.** Elaborate on the features of the main types of lenses used in digital photography **4**
- 2B.** Explain the following with respect to shutter **3**
 - a. Fast shutter speed b. Slow shutter speed,
 - c. Shutter lag d. Shutter cycle.
- 2C.** Explain six common technical mistakes in digital photography. **3**
- 3A.** Explain the functions of eight studio lighting equipment. **4**
- 3B.** Explain the features of following image file formats **3**
 - a. DNG b. PNG c. JPEG
 - d. TIFF e. PSD f. GIF
- 3C.** Explain the metering modes available in digital camera. **3**

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- 4A.** Explain in detail the following panels from Adobe camera Raw. **4**
- a. Basic Panel b. Detail Panel
- c. Tone Curve Panel d. Split Toning Panel
- 4B.** Explain the following characteristics of lens in detail. **3**
- a. Focal length b. Lens Speed
- 4C.** Explain the function of six parts of photographic camera. **3**
- 5A.** Explain four techniques to create powerful black and white photos. **4**
- 5B.** Explain the following lighting techniques for television. **3**
- a. Cameo lighting b. Fall off c. Silhouette
- 5C.** Explain following qualities of lens **3**
- a. Distortion b. Chromatic Aberration c. Vignetting
- 6A.** Elaborate on eight factors for pros and cons of CCD and CMOS sensor **4**
- 6B.** Explain the features of six types of flash used in digital photography. **3**
- 6C.** Give the two advantages and two disadvantages for each of following lighting techniques: **3**
- a. Front lighting b. Side lighting c. Back lighting