

**Bachelor in Information Technology (BIT)**

**Term-End Examination**

**June, 2007**

**CSM-01 : COMPUTER APPLICATIONS IN ART AND DESIGN**

*Time : 2 Hours*

*Maximum Marks : 60*

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**Note :** *All questions from Section A are **compulsory**. Answer any **two** questions from Section B. All objective type questions carry one mark each.*

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**SECTION A**

1. The ASCII character set is
  - (a) 32 bit
  - (b) 31 bit
  - (c) 30 bit
  - (d) None of the above
  
2. The effect in which one image transforms into another is called
  - (a) Alpha release
  - (b) Testing
  - (c) Morphing
  - (d) Compression
  
3. CLUT stands for
  - (a) Clear Look Up Tables
  - (b) Colour Look Up Tables
  - (c) Colour Look Up Templates
  - (d) Clear Look Up Templates

4. Which is not a standard compression format for image files ?
- (a) PCX
  - (b) TIF
  - (c) BMP
  - (d) VOC
5. Which one is not amongst the most common palettes ?
- (a) 8
  - (b) 16
  - (c) 32
  - (d) 24
6. The RGB value is to be \_\_\_\_\_, in order to reduce the brightness.
- (a) reduced
  - (b) kept constant
  - (c) increased
  - (d) None of the above
7. Translating or designing multimedia into a language other than the one in which it was originally written, is called
- (a) Prototyping
  - (b) Globalization
  - (c) Localization
  - (d) Morphing
8. The resolution of VGA Monitor is
- (a) 620 × 420
  - (b) 660 × 460
  - (c) 640 × 440
  - (d) 680 × 480

9. In HSB colour model, green is specified at
- (a) 120°
  - (b) 180°
  - (c) 240°
  - (d) 300°
10. Which one of the following is *not* a computer colour model ?
- (a) RGB
  - (b) HSB
  - (c) HSL
  - (d) HLS
11. Explain the features of various sound file formats.
12. Explain the fundamentals of colour and natural light.
13. Differentiate between hypertext and hypermedia.
14. State true or false.
- (a) HSL model is not supported by DD computer.
  - (b) Printers digitize images by translating them into bit-maps.
  - (c) .wav is an extension of image file.
  - (d) .PNF is an extension of sound file.
  - (e) For higher resolution, less storage space is required.

**SECTION B**

*Answer any two questions from this section.*

15. (a) Explain the features of various font editing and design tools.
- (b) Differentiate between the following :
- (i) ASCII & UNICODE
  - (ii) Vector Graphics & Bit-Mapped Graphics
16. (a) Describe the functioning and important features of a digital camera.
- (b) What are Computerized Colour Models ? How do these models represent colour ?
- (c) What are important features of image editing tool ?
17. (a) Explain the following concepts :
- (i) Resampling
  - (ii) Crop
  - (iii) Contrast
  - (iv) Smear
- (b) List the software tool which can be used for the layout of the IGNOU Prospectus. Describe the important features of this S/W package. What features of S/W packages like Photoshop can be used to combine image and graphics in the Prospectus ?