

**Bachelor in Information Technology (BIT)****Term-End Examination****December, 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 device which allows users to directly activate data by touching the screen is 1
  - (a) Stylus
  - (b) Mouse
  - (c) Digitizer
  - (d) Touch Screen
  
2. Which one is a typical method for word searching in hypermedia system ? 1
  - (a) Categorical
  - (b) Alternatives
  - (c) Truncation
  - (d) All of the above
  
3. The ASCII character set is the 1
  - (a) 6 bit character coding system
  - (b) 7 bit character coding system
  - (c) 8 bit character coding system
  - (d) None of the above
  
4. The series of frames in between the key frames are drawn in a process called 1
  - (a) Modulation
  - (b) Interlacing
  - (c) Decoding
  - (d) Tweening

5. The process where the colour value of each pixel is changed to the closest matching colour value in the target palette is 1
- (a) Mixing
  - (b) Hashing
  - (c) Dithering
  - (d) Transforming
6. In HSB, the pure colour has a 1
- (a) 25% brightness
  - (b) 50% brightness
  - (c) 75% brightness
  - (d) 100% brightness
7. In HSB, the blue colour is 1
- (a) 30°
  - (b) 60°
  - (c) 90°
  - (d) None of the above
8. VGA stands for 1
- (a) Video Graphics Adapter
  - (b) Video Graphics Array
  - (c) Video Graphics Applet
  - (d) Video Graphics Application
9. ASCII assigns a number to 1
- (a) 127 different characters
  - (b) 128 different characters
  - (c) 255 different characters
  - (d) 256 different characters
10. A lightness of 100% will yield 1
- (a) White colour
  - (b) Red colour
  - (c) Green colour
  - (d) None of the above

11. State true or false.

1×5=5

- (a) Resolution of VGA monitor is  $680 \times 480$ .
- (b) Unicode character set consists of 24 bit.
- (c) HSL is not a colour model.
- (d) Calcomp Stylus is attached to the tablet with a cord.
- (e) Bit maps are also known as Raster graphics.

12. IGNOU wants to prepare a brochure for the various programs offered by them. Assume you have been appointed as an advisor. Keeping the above requirement in mind, you have to design the double fold brochure for this purpose.

- (a) List 5 main tasks to be completed for design of the brochure. 5
- (b) Specify different drawing and painting software that can be used for the given task and list some of the important characteristics of the software. 10

## SECTION B

Answer any *two* questions from this section.

13. (a) Explain the concepts of Vector Graphics and Bitmapped Graphics. Where are they used ? What are their advantages and disadvantages ? What are their standards ? 10
- (b) Discuss the features and principle of a scanner. 5
14. (a) What are features of Photoshop ? Explain them in brief. 8
- (b) Explain different types of formatting tools used for any word-processing package. 7
15. (a) Describe the functioning and important features of a digital camera. 5
- (b) List the scanned image required to be incorporated for designing the double fold brochure of XYZ media company. How can one give effects to the image to improve the quality of the presentation ? Describe the feature of software package for doing these tasks. 10