

Bachelor in Information Technology (BIT)**Term-End Examination****June, 2007****CSM-03 : MULTIMEDIA PRINCIPLES***Time : 3 Hours**Maximum Marks : 75*

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

SECTION A

1. CODEC is for 1
 - (a) compression and decompression of video files
 - (b) coding and decoding of video files
 - (c) COM-DCOM technology
 - (d) None of the above

2. Video Scan Converter 1
 - (a) converts NTSC signal to PAL signal
 - (b) converts PAL signal to SECAM
 - (c) converts RGB signal to NTSC signal
 - (d) converts video signal into audio signal

3. By reducing the RGB value of a pixel 1
 - (a) it will not affect the pixel at all
 - (b) contrast of a pixel is reduced
 - (c) brightness of a pixel is reduced
 - (d) None of the above

4. Process of converting a Vector file format into Bitmap file format is 1
 - (a) Rastering
 - (b) Registering
 - (c) OCR
 - (d) Digitisation

5. Which one of the following statements is *not* correct ? 1
- (a) Flash file can be imported in Director
 - (b) Director file can be imported in Flash
 - (c) BMP file can be imported in Flash
 - (d) BMP file can be imported in Director
6. Text in Flash can be converted to image by one of the following commands : 1
- (a) Transform
 - (b) Tweening
 - (c) Break apart
 - (d) Shape hint
7. Sampling is 1
- (a) converting digital format to analog format
 - (b) converting video or audio waves to digital format
 - (c) converting bitmap graphic to vector graphic
 - (d) a multimedia plug-in
8. Video format used in Australia and Western Europe is 1
- (a) PAL
 - (b) NTSC
 - (c) MPEG
 - (d) AVI
9. Extension assigned to MS-Word Templates is 1
- (a) .BMP
 - (b) .DOC
 - (c) .RTF
 - (d) .FLC
10. File with .swf extension can be edited in 1
- (a) Director
 - (b) Flash
 - (c) Photoshop
 - (d) Sound Forge
11. (a) Suppose you are required to develop an animation of a circular ball moving in a rectangular region. Explain how will you apply the concepts of layering, key-frames and tweening to this application. 10
- (b) What is resolution ? Explain the variation in resolution while developing a CBT (Computer Based Training) programme, Web Based Training (WBT) and a brochure for printing. 2+8=10

SECTION B

Answer any *three* questions from this section.

12. (a) What is desktop publishing ? Explain any two applications of desktop publishing. 7
(b) List out the steps you would go through to record and digitise a set of sound files for inclusion in the multimedia presentation. 4
(c) What is an action script in Flash ? Explain with the help of an example. 4
13. (a) Write any four differences between CODEC and MODEM. 4
(b) What is video conferencing ? Explain any two applications. 4
(c) Discuss how the Computer monitor image differs from the Television image. 3
(d) Explain any two video compression formats. 4
14. (a) Compare the process of developing linear presentation and non-linear presentation. 7
(b) Explain the capabilities and limitations of linear presentation and non-linear presentation. 8
15. Explain the following terms : 3×5=15
(a) Virtual Reality
(b) Lossless Compression
(c) Voice mail
(d) Teleconferencing
(e) Resampling

