

(Please write your Exam Roll No.)

Exam Roll No.

END TERM EXAMINATION

FIFTH SEMESTER [MCA] DECEMBER- 2012

Paper Code: MCA-313

Subject: Multimedia Technologies.

Time: 3 Hours

Maximum Marks: 60

Note: Q. No. 1 is compulsory. Attempt one question from each unit.

1(a) Describe two ways of linking multimedia objects. Mention the benefits of use of multimedia in public places. (5)

(b) Distinguish between DVD and CD-ROM. How OCR software are different from Text editing tools? (5)

(c) List and describe the major multimedia hardware peripherals. (5)

(d) Discuss the advantage and disadvantage of MIDI over Digital Audio. (5)

UNIT-I

2(a) What is Multimedia? What are the resources for multimedia developers? (5)

(b) How skills and training Is required in multimedia system? (5)

3(a) What is the purpose of two separate layers on Card and page based systems? (5)

(b) What are the various types of Multimedia software tools? Explain. (5)

UNIT-II

4(a) What do you understand by Digital Audio? Explain any five different audio file formats. (5)

(b) Differentiate between comparison and encryption techniques. (5)

5(a) Define the following:

(i) Silent Comparison,

(ii) Color Dithering.

(b) What is flash animation? Explain the different types of advance animation techniques.

UNIT-III

6(a) What is the use of Internet in multimedia? Explain the functioning of Internet. (4)

(b) Discuss the following: (6)

(i) WWW,

(ii) Web page makers and editors,

(iii) Web Browsers.

7(a) How many types of Macromedia products used in Multimedia projects? Explain the basic drawing techniques. **(5)**

(b) Explain the term 'Text' in Multimedia. Differentiate between Hypermedia and Hypertext. How the Hypertext is used? **(5)**

UNIT-IV

8(a) With the aid of example frame sequences, explain the meaning of following types of compressed frames and reason for their use: **(5)**

(i) I-frames,

(ii) P-frames,

(iii) B-frames.

(b) How is Video Compressed? Explain MPEG standards. **(5)**

9(a) Discuss the Digital Radio and Digital Broadcasting. **(5)**

(b) How the size of digital audio recording computed? What will be the size of a 10 second stereo recording at 44.1 KHz, 16 bit resolution. **(5)**
