

Code No. : 7826

Sub. Code : C 1 AA

M.C.A. (CBCS) DEGREE EXAMINATION,

NOVEMBER 2008

First Semester

COMPUTER APPLICATIONS

Elective I – INTRODUCTION TO MULTIMEDIA

(For those who joined in July 2008 onwards)

Time : Three hours

Maximum : 75 marks

Part A – (10 x 1 = 10 marks)

Answer ALL questions

1. Give any two examples for multimedia application.
2. What do you mean by hypermedia document?
3. What is binary image compression?
4. What do you mean by gray scale image?
5. Write a note on RTF.
6. Write a short note on MPEG.
7. What is animation?
8. Write down the types of scanners.
9. What is cache?
10. Why latency is higher in optical media than main memory?

Part B – (5 x 5 = 25 marks)

Answer ALL questions choosing either (a) or (b)

11. (a) Describe Lossy compression in detail.
(or)
(b) Explain in detail about multimedia elements.
12. (a) What are the requirements of JPEG?
(or)
(b) Write a short note on audio compression
13. (a) Explain about MIDI file format.
(or)
(b) Explain about MPEG standards

14. (a) What are the limitations of transitional input devices?

(or)

(b) Explain the magnetic media technology in detail.

15. (a) Describe about system cache memory.

(or)

(b) What are the advantages of digital camera in multimedia application development?

Part C – (5 x 8 = 40 marks)

Answer ALL the questions choosing either (a) or (b)

16. (a) Explain the technologies used for multimedia system.

(or)

(b) What is the need for compression? Explain different audio compression standards in detail..

17. (a) What are the factors to be considered while developing a multimedia application?

Explain it.

(or)

(b) Compare and contrast JPEG and MPEG.

18. (a) Explain the different video compression standards in detail.

(or)

(b) Discuss about TIFF structure in detail.

19. (a) How does electronic Pen Work? Explain it.

(or)

(b) Explain the features of scanners.

20. (a) Discuss in detail about memory system.

(or)

(b) What role can a magneto-optical drive play in hierarchical storage management system? What role does a Worm Play?