

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SC.& COMP.APP.

THIRD SEMESTER – APRIL 2010

CS 3206 / CA 3206 - MULTIMEDIA TECHNOLOGIES

Date & Time: 30/04/2010 / 1:00 - 4:00

Dept. No.

Max. : 100 Marks

PART-A

ANSWER ALL THE QUESTIONS

10 x 2 = 20

1. Define Multimedia.
2. Draw the architecture of the multimedia presentation system.
3. What is the difference between Additive and Subtractive color mixing?
4. Draw the Block diagram of a 3 sensor RGB color video camera.
5. Define Nyquist frequency.
6. What is Data Compression?
7. What is the key difference between I-Frames, P-frames and B-frames?
8. List the application of Continuous Media Application.
9. Give any three examples of Scripting Language.
10. Draw the Hytime Module Interdependencies.

PART-B

ANSWER ALL THE QUESTIONS

5 x 8 = 40

11. a) Write a short note on framework for multimedia system.
(or)
b) Explain the purpose of the Role of standard.
12. a) Explain the reasons for having a number of different color videos.
(or)
b) Draw and explain the color fundamentals.
13. a) Explain Redundancy and visibility.
(or)
b) Write a note on Simple Compression Techniques.
14. a) Explain the continuous media application
(or)
b) List out the summary of multimedia system service function.
15. a) Write a note on content based retrieval of unstructured data.
(or)
b) Explain the case for multimedia information system.

PART-C

ANSWER ANY TWO

2 x 20 = 40

16. a) Enlist and explain the Tour of emerging application. (4)
b) Give the detailed description of Digital Audio Signal Processing. (6)
17. a) Explain in detail about the Time and multimedia requirements. (6)
b) Briefly outline the New OS support. (4)
18. a) Discuss in detail about the Current State of the industry. (3)
b) Briefly explain the Data Models for Multimedia and Hypermedia Information. (7)
