LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc.,B.C.A. DEGREE EXAMINATION – COMP. SCIE.,& COMP.APPL.

THIRD SEMESTER – NOVEMBER 2009

CS 3206 / CA 3206 - MULTIMEDIA TECHNOLOGIES

Date & Time: 13/11/2009 / 9:00 - 12:00   Dept. No. | Max. : 100 Marks

PART-A

ANSWER ALLTHE QUESTIONS   **10x2=20**

1. What is Multimedia?
2. What are the two aspects of multimedia application?
3. List three distinct models of color used in multimedia.
4. Define MPEG.
5. What is a compression ratio?
6. How do you calculate compression ratio?
7. Give any three categories of continuous media application.
8. Define MMV and MSP.
9. Write any three major computer platforms.
10. What do you mean by multimedia and hypermedia?

PART-B

ANSWER ALL THE QUESTIONS   **5x8=40**

11. a) Write a short note on Multimedia on the Map.

(or)

b) Explain the purpose of Multimedia Distributed system.

12. a) Explain the structure of encoder and decoder of MPEG layer 1 and 2.

(or)

b) Explain any five functions from the Next Signal Processing Library.

13. a) Explain the simple transform technique with an example.

(or)

b) Write a note on Statistical Coding.

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14. a) What are the Goals of Multimedia System Services?

(or)

   b) Write a note on Continuous media application.

15. a) Draw and explain the Hyoctane Hytime Engine Architecture.

(or)

   b) Explain the case for multimedia information system.

PART-C

ANSWER ANY TWO   **2 x 20 = 40**

16. a) Enlist and explain the various applications of multimedia.   (4)

   b) Give the detailed description of Digital Representation of Sound.   (6)

17. a) Explain in detail about the Video compression techniques.   (7)

   b) Briefly outline the Media Stream Protocol.   (3)

18. a) Discuss in detail about Data Models for Multimedia and Hypermedia

   information.   (6)

   b) Explain the Design Paradigms and user interface.   (4)

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