



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.A., B.Sc., DEGREE EXAMINATION – ENGLISH LITE. & MATHS & COMP.SCI.

THIRD SEMESTER – NOVEMBER 2016

CS 3206/CA 3206 – MULTIMEDIA TECHNOLOGIES

Date: 10-11-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

SECTION-A

ANSWER ALL THE QUESTIONS:

(10*2=20)

- 1) Differentiate between Continuous media and Discrete media.
- 2) What are the challenges in Multimedia systems?
- 3) What is Quantization noise?
- 4) What is MIDI protocol?
- 5) Expand JPEG.
- 6) Define Multimedia Synchronization.
- 7) Write any two goals of Multimedia System Services.
- 8) Draw the diagram for Single server and Co-servers.
- 9) Define toolkit.
- 10) What is meant by Multimedia Viewer?

SECTION-B

ANSWER ALL THE QUESTIONS:

(5*8=40)

- 11) a) Briefly explain about the role of standards.
(Or)
b) Write a short note on Electronic Book.
- 12) a) Give a brief account on Digital Audio Signal Processing.
(Or)
b) Explain the block diagram of a three-sensor RGB color video camera.
- 13) a) Give a brief note on the interpolative compression techniques.
(Or)
b) Discuss briefly about temporal transformations.
- 14) a) Draw the X window system software architecture and explain it.
(Or)
b) Explain about Media stream protocol.
- 15) a) Explain in short about Hypermedia Document Models.
(Or)
b) With a neat sketch, explain the architecture of HyOctane and Hy-time engine.

SECTION-C

ANSWER ANY TWO:

(2*20=40)

- 16) a) Enlist and explain about any five Tour of emerging applications.(10)
b) Discuss in detail about analog video artifacts. (10)
- 17) a) List out and explain any two Time and Multimedia Requirements.(10)
b) Explain about the purpose of toolkits. (10)
- 18) a) Discuss elaborately about the Current state of the Industry.(10)
b) Explain about a framework for Multimedia systems. (10)
