LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.SC DEGREE EXAMINATION – **COMPUTER SCIENCE & MATHEMATICS**

THIRD SEMESTER – **APRIL 2016**

CA / CS 3206 - MULTIMEDIA TECHNOLOGIES

Date: 04-05-2016 Dept. No. Max. : 100 Marks
Time: 09:00-12:00

Part – A

Answer ALL the questions: **(10 * 2 = 20)**

1) Define Multimedia.
2) What is synchronization?
3) What is meant by quantization noise?
4) Define the term: Flat Noise.
5) State the objective of JPEG.
6) What are the three key parameters need to be considered for evaluating a compression system?
7) What is the goal of multimedia system service?
8) Draw the diagram for Single server and Co-servers.
9) Define DTD.
10) List two features of MPC.

Part – B

Answer ALL the questions: **(5 * 8 = 40)**

11) a) Briefly explain the multimedia and personalized computing.

(Or)

b) What are the approaches identified in providing QOS guarantees in high speed networks?

12) a) Give a brief account on MIDI protocol.

(Or)

b) List down the color video formats. Explain any two formats.

13) a) Write a short note on Temporal Access control.

(Or)

b) Write down the definitions of various time dependencies

14) a) Draw a neat diagram of the multimedia system services client interaction. Explain

(Or)

b) Explain about Media stream protocol.

15 a) Give short notes on Multimedia Viewer and Amsterdam Hypermedia models

(Or)

b) With a neat sketch, explain the architecture of HyOctane and Hy-time engine.

Part – C

Answer any TWO: **(2 * 20 = 40)**

16. a) Explain the uses of multimedia in geographical information systems and educational areas. **(10)**

    b) Explain in detail about any two Video Performance measurements **(10)**

17. a) Elaborate about time and multimedia requirements. **(10)**

    b) Write in detail about media stream protocol. **(10)**

18. a)Explain with a neat diagram of HyTime module interdependencies. . **(10)**

    b) What is multimedia? Discuss in detail about multimedia file systems and information models. **(10)**

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