M.E. DEGREE EXAMINATIONS: DECEMBER 2009

First Semester

COMMUNICATION SYSTEMS

COM519: Internetworking Multimedia

Time: Three Hours   **Maximum Marks: 100**

Answer ALL the Questions:-

PART A (10 x 2 = 20 Marks)

1. List the types of media that are composed in Multimedia.

2. Mention any two coding techniques.

3. Write short note on IPV6.

4. What are the five profiles associated with the levels in MPEG-2?

5. Write short note on IP multicast service model.

6. What id a VOD?

7. What are the objectives of MPEG-7 standard?

8. What is an Intellectual property management and protection?

9. What is the difficulty in packet voice?

10. Write a short note on streaming video.

PART B (5 x 16 = 80 Marks)

11. (a) Explain Internet Services model in detail.

(OR)

   (b) Explain the video compression techniques in detail with neat diagram

12. (a) What is IPV6? Explain it in detail with necessary diagrams.

(OR)

   (b) (i) Explain VOIP concept.   (6)

      (ii) Explain Storage and media services in detail.   (10)

13. (a) Explain RTP and RTCP protocols with neat diagrams.

(OR)

   (b) (i) Explain MIME concept in detail.   (8)

      (ii) Explain Video Conferencing with an example.   (8)

14. (a) What are the goals of MPEG-21? Explain the MPEG-21 in detail with a neat sketch.

(OR)

   (b) Explain the MPEG-4 video transport across Internet in detail with its system architecture.

15. (a) Explain Error resilient video coding techniques in detail.

(OR)

   (b) Explain multimedia across wireless networks in detail. Also mention its advantages and applications.

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