Name.....................................

Reg. No.............................

EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION, JUNE 2009

EC 04 804 (F) – MULTIMEDIA COMMUNICATION SYSTEMS

(2004 Admissions)

Time : Three Hours   Maximum : 100 Marks

I. (a) Explain about the lip Synchronization.

   (b) Define (i) Lip Reading.

          (ii) Lip Tracking.

   (c) Briefly explain about the critical frequency Analysis.

   (d) Briefly explain Audio subband coders.

   (e) Explain about the MPEG - 7.

   (f) What it meant by MPEH Explain about the MEPG-2 Compression?

   (g) What are the Basic Features of a Hypermedia system?

   (h) Breifly explain about the Internet access networks.

$(8 \times 5 = 40$ marks)

II. (a) Explain in detail about the Joint audio - vedio coding.   (15 marks)

Or

   (b) (i) Explain in detail about the Biomodelity of Human Speech.   (10 marks)

      (ii) Briefly explain about media Interaction.   (5 marks)

III. (a) (i) Discuss in detail about the colour - based methods.   (9 marks)

      (ii) Briefly explain spread masking.   (6 marks)

Or

   (b) Write short notes on:-

      (i) Perceptual coding of Digital Audio Signals.   (7 marks)

      (ii) Storage and Retrieval Issues.   (8 marks)

IV. (a) Explain in detail about the audio coding standards.   (15 marks)

Or

   (b) Discuss in detail about the multimedia conferencing standards.   (15 marks)

Turn over

V. (a) Write short notes on :

    (i) Multimedia Operating VOD.   (7 marks)

    (ii) Broadband Wireless Mobile.   (8 marks)

Or

(b) Explain in detail about the serial transmission TDM.   (15 marks)

[4 × 15 = 60 marks]