Con. 3703-12.

GN-7565

(REVISED COURSE)

(3 Hours) [Total Marks : 100

N.B. :(1) Question No. **1** is **compulsory**.
  (2) Solve any **four** questions from the remaining **six** questions.
  (3) Assume **suitable data** wherever **required**.

1. (a) What is Multimedia animation ? 5
   (b) Explain elements of multimedia systems. 5
   (c) Compare MPEG with H.264. 5
   (d) Explain effective HCI. 5

2. (a) Describe the algorithms for the CCITT group 3 standards. How does CCITT 10
       Group 4 differs from CCITT Group 3 ?
   (b) Explain in brief various parts and the set of visual descriptors in MPEG-7. 10

3. (a) Explain RIFF and write the pseudo code for the file extension WAV, RMI, 10
       RDI, PAL for RIFF file format.
   (b) Explain JPEG Methodology. Compare it with JPEG 2000. 10

4. (a) Explain MIDI Devices. Distinguish between channel messages and system 10
       messages giving example.
   (b) Explain multimedia system architecture. 10

5. (a) Explain ADPCM in speech coding scheme. 10
   (b) Write short note on Copyright and methods of licensing for multimedia. 10

6. (a) Explain Multimedia authoring system design issues and its types. 10
   (b) List and explain the factors consider designing multimedia systems which 10
       provide virtual reality functionality.

7. Write short notes on :—
       (a) Distributed Multimedia Systems 10
       (b) Storage Requirements. 10

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