TYIT Multimedia
2014 Sem V

(OLD COURSE)

(3 Hours) [Total Marks : 100

N. B.: (1) Question No. 1 is compulsory.
(2) Attempt any four from Question Nos. 2 to 7.
(3) Make suitable assumptions wherever necessary and state the assumptions made.
(4) Answers to the same question must be written together.
(5) Numbers to the right indicate marks.
(6) Draw neat labeled diagrams wherever necessary.

1. Answer the following:
   a) What is multimedia? What are the applications of multimedia? 10
   b) What is the difference between vector and raster scanning? 10

2. a) Explain RGB and CMYK color models. What is device dependency? 10
   b) Differentiate between BMP, JPG, GIF and TIFF image file formats. 10

3. a) Explain any two tools required to create multimedia presentation. 10
   b) Explain the issues concerned with transfer of multimedia data on networks. 10

4. a) Explain the JPEG image coding standard. 10
   b) Explain LZ and LZW coding. 10

5. a) How does a color video camera represent color information? 10
   b) Discuss the various CD formats. 10

6. a) What is type face? What is Font? Explain. 10
   b) Explain gamma correction in detail. 10

7. a) Explain in detail Huffman Encoding scheme for data compression. 10
   b) List the various audio file formats and explain any two in detail. 10

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