

Multimedia.

S.Y.B.Sc.I.T-SemIV-MM-2 ½ Hrs-75Marks 20/09/2016

Note: 1) All questions are compulsory.

2) Draw neat and labeled diagrams wherever necessary.

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Q1. Attempt any two.

(10)

- Explain the various hardware and software requirements for multimedia.
- Differentiate between multimedia playback and multimedia production.
- Explain the scope of multimedia.
- Define Multimedia Database. What are the various contents of MMDB?

Q2. Attempt any two.

(10)

- Write a short note on Quantization Error.
- State and explain the fundamental properties of waves.
- What is bit depth? Explain the process of Code word generation.
- What is Digital Representation? Explain the need of Digital Representation.

Q3. Attempt any two.

(10)

- Explain the construction and working of Digital Camera.
- Explain various methods for Insertion of text.
- What are the various types of Images?
- Explain subtractive color model.

Q4. Attempt any two.

(10)

- Differentiate between LCD and LED.
- Explain raster scanning principles.
- Explain any five Audio file formats.
- Explain the fundamental characteristics of sound.

Q5. Attempt any two.

(10)

- Explain Run Length Coding (RLE) compression technique.
- What is compression? Explain the need for compression.
- Explain Huffman Coding compression technique.
- Explain various types of compression.

Q6. Attempt any two.

(10)

- Write a short note on Adobe Director and Dreamweaver.
- Explain various Multimedia Authoring Metaphors.
- What is authoring system? Explain the need for authoring system.
- Write a short note on Automatic Authoring.

Q7. Attempt any three.

(15)

- Define the following:
(i)Multimedia (ii) Multimedia Presentation (iii) Target Audience (iv) Multimedia Production (v) Authoring
- Differentiate between LCD and CRT.
- Explain the concept of externalization and linearization.
- What are the Importance and Drawbacks of Digital Representation?
- Write a short note on Device Dependency and Gamut.
- Explain image file formats.