

Q.2 a. Describe about the different components of Multimedia.

Answer: Page Number 3-4 of Text Book I

b. Explain the different types of scripts used in Director tool.

Answer: Page Number 44 of Text Book I

c. Discuss the various methods of accomplishing Animation in Flash.

Answer: Page Number 48-50 of Text Book I

Q.3 a. Discuss about Subtractive Color Model.

Answer: Page Number 101-102 of Text Book I

b. Differentiate between Component Video and Composite Video.

Answer: Page Number 112-113 of Text Book First.

c. Explain the following terms:

- (i) Progressive Scanning**
- (ii) Interlaced Scanning**
- (iii) Chroma Subsampling**

Answer: Page Number 113, 120 of Text Book I

Q.4 a. Discuss the key concepts of Digitization process of sound.

Answer: Page Number 127-128 of Text Book I

b. Give the compression code for string “ABABBABCABABBA” using LZW compression.

Answer: Page Number 182-183 of Text Book I

c. What do you understand by Audio Filtering?

Answer: Page Number 136 of Text Book I

Q.5 a. Discuss about the Discrete Cosine Transform Coding Technique.

Answer: Page Number 207-209 of Text Book I

- b. The JPEG standard supports numerous modes. Write about some of the commonly used modes.**

Answer: Page Number 262-264 of Text Book I

- Q.6 a. Explain I-Frame Coding.**

Answer: Page Number 297 of Text Book I

- b. Describe H.261 Video Bitsream syntax.**

Answer: Page Number 301-303 of Text Book I

- c. Discuss the differences between MPEG2 and MPEG1.**

Answer: Page Number 329-330 of Text Book I

- Q.7 a. Discuss the five levels of hierarchical description of a scene in MPEG4 visual bitsream.**

Answer: Page Number 333-335 of Text Book I

- b. Differentiate between VOP-based coding and frame based coding.**

Answer: Page Number 335-337 of Text Book I

- c. Discuss the two types of prediction used in CELP coders.**

Answer: Page Number 383-384 of Text Book I

- Q.8 a. Explain about the various parameters of Quality of Service (QoS) of Multimedia Data Transmission.**

Answer: Page Number 443-444 of Text Book I

- b. Write brief notes on any TWO of the following:**
- (i) RSVP**
 - (ii) IP-Multicast**
 - (iii) RTP**

Answer: Page Number 451-452, 447, 449-450 of Text Book I

- Q.9 a. Explain the different types of Animation Techniques.**

Answer: Page Number 341-342 of Text Book II

b. Write brief notes on:

- (i) Tweening**
- (ii) DVD formats**
- (iii) Magneto-Optical Discs**

Answer: Page Number 340, 472-473, 460 of Text Book II

TEXT BOOKS

- 1) Fundamentals of Multimedia, Ze-Nian Li & Mark S. Drew, Pentice Hall Edition-2007**
- 2) Principles of Multimedia, Ranjan Parekh, Tata McGraw-Hill, Edition 2006**