

M.E. Second Semester (Information Technology) (Full Time) (C.G.S.)  
**13428 : Digital Media Development : 2 NMEF 2**

P. Pages : 2

Time : Three Hours



**AU - 3309**

Max. Marks : 80

- Notes :
1. Due credit will be given to neatness and adequate dimensions.
  2. Assume suitable data wherever necessary.
  3. Illustrate your answer necessary with the help of neat sketches.
  4. Use of pen Blue/Black ink/refill only for writing the answer book.

1. a) What are objects of multimedia system? Explain with image hierarchy. 8  
b) Explain need of audio compression? Describe grey and still video image compression. 6

**OR**

2. a) Define multimedia? Explain multimedia databases with example. 7  
b) Differentiate bet<sup>n</sup> lossy and lossless compression. 7
3. a) Describe MPEG file format standards in detail. 7  
b) Explain video images and animation with example. 6

**OR**

4. a) Differentiate between digital voice and digital audio. 7  
b) Describe full motion video standards and their operations. 6
5. a) Explain need and benefits of compression. Also state difference bet<sup>n</sup> lossless & lossy compression. 8  
b) Define multimedia? Explain multimedia data interface standards. 6

**OR**

6. a) What is multimedia? Explain objects in multimedia systems. 7  
b) What do you mean by image compression schemes. Explain with example. 7
7. a) Explain data & various file formats standard viz. RTF, RIFF, TIFF & MIDI. 7  
b) Explain JPEG AVI file format for still and motion image. 6

**OR**

8. a) Describe full motion video standards and their operations. 6  
b) Explain Isolated voice recognition system in detail. 7

9. a) Define multimedia database. Explain binary image compression. 7  
b) What are different multimedia technologies? Explain objects in multimedia system. 7

**OR**

10. a) What do you mean by full motion video compression. Give example. 7  
b) Define audio compression. Explain multimedia databases in detail. 7  
11. a) How do T WAIN specification differ from RIFF specification? Explain. 7  
b) Explain following types of voice recognition system i) Isolated, ii) continuous speed. 6

**OR**

12. a) Explain operation of Digital Camera. What are file formats used to store data captured by digital camera. 7  
b) Differentiate between digital voice and digital audio. 6

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