

B.TECH. SEM -VI INFO. TECH. 2014 COURSE (CBCS) :

WINTER - 2017

SUBJECT: ELECTIVE – II: MULTIMEDIA TECHNIQUES

Day : **Friday**

Date : **24/11/2017**

W-2017-2220

Time: **10.00 AM TO 01.00 PM**

Max. Marks: 60

N. B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figure to the right indicate **FULL** marks.
 - 3) Draw neat and labelled diagram **WHEREVER** necessary.
 - 4) Assume suitable data, if necessary.
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Q. 1 Define Multimedia. Give classification of Multimedia. Discuss various applications of Multimedia. (10)

OR

Explain in detail about color CRT monitor and flat panel display with suitable diagrams. (10)

Q. 2 Why compression is needed? List the parameters to measure compression. Explain Dictionary based compression. (10)

OR

Write about Adaptive coding. Explain Arithmetic Coding algorithm in detail. (10)

Q. 3 What is MIDI audio? Compare and contrast the use of MIDI and Digitized sound in Multimedia production. (10)

OR

Give the most common features for audio editing software's and video editing software's. (10)

Q. 4 Distinguish between various types of Images. State need of Image Enhancement and explain any two Image Enhancement techniques. (10)

OR

Enlist the 12 principles of Animation. Explain any 4 in detail. (10)

Q. 5 Explain various storage medias for Multimedia. With appropriate examples differentiate between magnetic and optical media based on storage device. (10)

OR

State and explain recording and reproducing data from CD and DVD. (10)

Q. 6 How is Multimedia used in Educational Applications? Explain this with an examples. (10)

OR

Write short note on: (10)

- a) Interactive Television
- b) Video on Demand

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