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Reg. No. :

Name :

Seventh Semester B.Tech. Degree Examination, November 2015

(2008 Scheme)

08.704 (2) : MULTIMEDIA SYSTEMS AND DATA COMPRESSION

(Elective I) (R)

Time : 3 Hours

Max. Marks : 100



PART – A

Answer **all** questions :

(10x4=40 Marks)

1. Distinguish between MOD and NMOD.
2. Distinguish between broadcasting and multicasting.
3. Explain the different ways of storing multimedia data in data bases.
4. How is entropy encoding different from source encoding ?
5. Distinguish between static and dynamic coding. Where are they used ?
6. What is the basic principle of LZ algorithm ?
7. What is prefix property ? Where is it used ?
8. Explain the basic principle of video compression.
9. What is intra object synchronization ?
10. What is an I frame ?

P.T.O.

**PART – B**

Answer **any one full** question from **each** Module.

Module – I

11. a) Explain the different kinds of multimedia applications. **10**
b) Discuss about different types of multimedia systems. **10**

OR

12. Explain the characteristics of Multimedia Database Management Systems. **20**

Module – II

13. a) Explain static Huffman coding. **10**
b) Explain LZW coding. **10**

OR

14. Discuss about different audio compression techniques. **20**

Module – III

15. How is motion estimation and compensation done in video compression ? **20**

OR

16. a) Explain MPEG-4 standard. **10**
b) How synchronization is achieved in multimedia system ? **10**
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