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B. E. (Seventh Semester) Examination, Nov.-Dec. 2021

(New Scheme)

(IT Engg. Branch)

MULTIMEDIA & COMMUNICATION

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : *Answer all questions. Part (a) of each question is compulsory and carries 2 marks. Answer any **two** parts from (b), (c) and (d) and carries 7 marks each.*

Unit-I

1. (a) Define Synchronization.   2

(b) Differentiate between temporal and non temporal media. 7

(c) Describe presentation, syntronization and events is multimedia designing. 7

(d) Describe Authoring system. 7

Unit-II

2. (a) Describe at length two benefit of compression. 2

(b) What are the different MP3 compression scheme, explain any one of there is brief. 7

(c) Describe the features of JPECT 2000. 7

(d) Explain the MPEG-4 video compressive algorithm in detail. 7

Unit-III

3. (a) What is NMX. 2

(b) Describe the architecture of PC/work station. 7

(c) Explain the MMX instrution set. 7

(d) Write short notes on : (any **two**) 7

(i) File system

(ii) I/O device

(iii) Resorce scheduling

(iv) IEEE 1394 interface

Unit-IV

4. (a) Define video on demand system. 2

(b) What are the content based information retrival algorithm, explain any one of them. 7

(c) Describe MPEGT in detail. 7

(d) Describe video retrival system in detail. 7

Unit-V

5. (a) Define domain dependent application. 2

(b) Describe tele opertion an and augmented reality system. 7

(c) Describe URML programming in detail. 7

(d) Describe the role of virtual reality in detail. 7