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Roll No. :

322847(22)

APR-MAY 2022

B. E. (Eighth Semester) Examination, 2020

(New Scheme)

(CSE Engg. Branch)

INTERNET and MULTIMEDIA TECHNOLOGY

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : Attempt all questions. Part (a) of each question is compulsory and carrying 2 marks each and attempt two parts from (b), (c) and (d) carrying 7 marks each.

Unit-I

1. (a) Define classfull addressing.

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- (b) Explain flow control mechanism of TCP. 7
- (c) Explain private key cryptography algorithm. 7
- (d) Explain TCP/IP protocol suite. 7

Unit-II

- 2. (a) Define ISDN channels. 2
- (b) Explain DIAS network architecture with example. 7
- (c) Explain B-ISDN. Discuss the services provided by B-ISDN. 7
- (d) Explain ATM networks. 7

Unit-III

- 3. (a) Define WLL. 2
- (b) Explain the protocol stack of IEEE 802.11 standard. 7
- (c) Explain wireless TCP with example. 7
- (d) Explain the working of bluetooth security mechanism. 7

Unit-IV

- 4. (a) Define temporal and non-temporal media? 2

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- (b) Explain MPEG video compression technique. 7
- (c) Explain the compression of synthetic graphical objects. 7
- (d) Explain JPEG compression and features of JPEG 2000. 7

Unit-V

- 5. (a) Define resource scheduling. 2
- (b) Explain video on demand systems. 7
- (c) Briefly explain architecture of multimedia support. 7
- (d) Explain content based video retrieval. 7