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Question Paper Code: S31483

B.E. / B.Tech. DEGREE EXAMINATION, MAY 2017

Elective

Electronics and Communication Engineering

01UEC911 - MULTIMEDIA COMPRESSION AND COMMUNICATION

(Regulation 2013)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. List the special features of multimedia.
2. Give the advantages of graphics representation?
3. What are the components of MPEG audio scheme.
4. What is H.261 standard.
5. What is meant by temporal redundancy.
6. Give some application of LZW.
7. Define SIP.
8. Mention the major challenges involved in implementation of VoIP.
9. What are the limitations of best efforts service.
10. List the applications of streamed stored audio and video in multimedia communications.

PART - B (5 x 16 = 80 Marks)

11. (a) Outline the taxonomy of compression techniques for multimedia and briefly explain their salient features. (16)

Or

(b) (i) Explain briefly about text and its types with required examples. (10)

(ii) Explain about the applications of multimedia. (6)

12. (a) Explain in detail about ADPCM with neat diagram. (16)

Or

(b) Explain the video compression principles with neat diagram. (16)

13. (a) Explain in detail about static and dynamic Huffman coding with an examples. (16)

Or

(b) Write short notes on Lempel Ziv Welsh compression with an example. (16)

14. (a) Explain the network architecture of H.323 in detail with neat diagram. (16)

Or

(b) Explain different codec in VoIP. (16)

15. (a) Explain the basics and header fields of RTP. Explain how it supports real time interactive applications. (16)

Or

(b) Explain in detail the scheduling and policing mechanism in multimedia networking. (16)
