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Question Paper Code : 52415

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2017
Seventh Semester
Electronics and Communication Engineering
EC 2037 – MULTIMEDIA COMPRESSION AND COMMUNICATION
(Regulations 2008)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions

PART – A

(10×2=20 Marks)

1. Define Aspect ratio.
2. What is meant by horizontal scanning ?
3. Define Temporal Masking.
4. What is the principle of adaptive predictive coding ?
5. Define Lossless compression.
6. What is Huffman code tree ?
7. Summarize all CODEC methods.
8. Discuss the features of SS7 and its applications.
9. What is bandwidth provisioning ?
10. Analyze the causes of packet jitter.

PART – B

(5×16=80 Marks)

11. a) Write a short note on :

- 1) Unformatted text. **(3)**
- 2) Formatted text. **(3)**
- 3) Hypertext. **(5)**
- 4) HTML. **(5)**

(OR)

b) Explain the interlaced scanning principles of broadcast television. **(16)**



12. a) Explain linear predictive coding and code excited LPC. (16)
(OR)
b) Explain the working principles of H.263. (16)
13. a) Explain arithmetic coding with suitable example. (16)
(OR)
b) Explain JPEG image compression technique. (16)
14. a) Give a detailed note on challenges in VOIP and its applications. (16)
(OR)
b) Define and explain the architecture of SIP. (16)
15. a) i) List out RTCP packet types. (4)
ii) Explain the information contained in RTCP packet types. (12)
(OR)
b) Summarize the important points on :
i) Leaky bucket (4)
ii) WFQ (4)
iii) SIP (4)
iv) H323. (4)