

Question bank for TE Sem V CBCGS-H DLOC Subject : Multimedia Systems

1. The elements of Multimedia are
 - a. Text
 - b. Graphics
 - c. Interactivity
 - d. all of above
2. The code length of character x in character, frequency set (u,1),(v,2),(w,4),(x,4) using Huffman coding is
 - a. 3
 - b. 2
 - c. 1
 - d. 4
3. The major parameters defining QoS (Quality of Service) are
 - a. Throughput, delay , reliability , jitters
 - b. cost, delay , reliability ,
 - c. application, relibility, solution
 - d. None of above
4. RTP (Real-time transport protocol) can be used for
 - a. Only multicast
 - b. both multicast and unicast
 - c. only unicast
 - d. None of above
5. RLE (Run length encoding) is _____ compression technique
 - a. Lossy
 - b. Lossless
6. The lossy compression techniques uses one/many of the following methods
 - a. Huffman encoding
 - b. transform coding
 - c. Discrete cosine transform
 - d. None of above
7. MPEG 2 is _____ compression
 - a. Lossy
 - b. Lossless
8. the transmitter part of PCM includes
 - a. Low pass filter, Encoder, Quantizer and Sampler
 - b. Low pass filter, Encoder, Quantizer and Decoder
 - c. Low pass filter, Sampler, Quantizer and Encoder
 - d. Low pass filter, Sampler, Quantizer and Decoder
9. following are the applications of Digital Signature
 - a. Nonrepudiation
 - b. Authentication
 - c. Performance
 - d. Integrity
10. Following are the types of video signals
 - a. component, composite, s-video
 - b. component, composite, s-video, analog
 - c. component, composite, s-video, digital

- d. None of above
- 11. Find the compression ratio for ABBBBBBBBBCDEEEEEEEEF using RLE (Run length).
 - a. 2.1
 - b. 0.47
 - c. 3.5
 - d. 1.75
- 12. following is included in Multimedia security
 - a. Watermarking
 - b. Steganography
 - c. Digital rights management
 - d. All of above
- 13. Which network control protocol is used for entertainment and communication purpose?
 - a. The Real Time Streaming Protocol (RTSP)
 - b. The Resource Reservation Protocol (RSVP)
 - c. The RTP Control Protocol (RTCP)
 - d. None of above
- 14. the receiver part of PCM includes
 - a. Low pass filter, Encoder, Quantizer and Sampler
 - b. Regeneration circuit,, Encoder, Quantizer and Decoder
 - c. Low pass filter, Sampler, Quantizer and Encoder
 - d. Regeneration circuit, Decoder, reconstruction filter
- 15. Multimedia uses computers to present
 - a. text,
 - b. audio, video,
 - c. animation, interactive features
 - d. all of above
- 16. A Geographic Information system GIS is a system that is designed to
 - a. capture, store, manipulate, analyse, manage, and present all types of geographical data
 - b. Artificial production of human speech.
 - c. recording of a light field rather than an image
 - d. standard switching technique designed to unify telecommunication
- 17. Relative redundancy =
 - a. $RD = 1/CR$
 - b. $RD = 1 - 1/CR$
 - c. $RD = 1 - CR$
 - d. $RD = CR$
- 18. A holographic image
 - a. refracts light into an image
 - b. reflects light into an image
 - c. diffracts light into an image
 - d. none of above
- 19. the methods to convert analog to digital are
 - a. RLE
 - b. PCM
 - c. DM
 - d. none of above

20. types of video formats are
- JPEG
 - MOV
 - AVI
 - MKV
21. _____ carries the video through a single, low quality signal.
- S video
 - component video
 - HDMI
 - Composite video
22. discrete cosine transform (DCT) is used for ____
- lossy
 - lossless
 - all
 - none
23. Huffman coding is used for
- lossy
 - lossless
 - all
 - none
24. Multimedia uses computers to present
- text,
 - audio, video,
 - animation, interactive features
 - all of above
25. if $n_1 = \text{data}$ and $n_2 = \text{data} - \text{redundancy}$ then Compression ratio =
- $CR = n_1/n_2$
 - $CR = 1 - 1/n_2$
 - $CR = n_2/n_1$
 - None of above