Program: BE Computer Engineering

Curriculum Scheme: Revised 2016

Examination: Third Year Semester V

Course Code: CSDLO5011 and Course Name: Multimedia System

Time: 1 hour Max. Marks: 50

==============================================================================

Note to the students:- All the Questions are compulsory and carry equal marks .

|  |  |
| --- | --- |
| Q1. | What type of scanner is dragged across the surface of the image to be scanned? |
| Option A: | Handheld scanner |
| Option B: | Flatbed scanner |
| Option C: | Rotary drum scanner |
| Option D: | Image held scanner |
|  |  |
| Q2. | Which of the following multimedia element places the highest performance demand on the computer? |
| Option A: | image |
| Option B: | text |
| Option C: | video |
| Option D: | audio |
|  |  |
| Q3. | Choose the most appropriate answer. In Multimedia text can be |
| Option A: | only numbers |
| Option B: | only special characters |
| Option C: | only alphabets |
| Option D: | Numbers, special characters and alphabets |
|  |  |
| Q4. | Which of the four navigational structures allows users to freely navigate through the content of the project, unbound by predetermined routes? |
| Option A: | Hierarchical |
| Option B: | Linear |
| Option C: | Non-Linear |
| Option D: | Composite |
|  |  |
| Q5. | What type of format supports documents between various word processing software's? |
| Option A: | TIFF |
| Option B: | RTF |
| Option C: | CCITT |
| Option D: | LZW |
|  |  |
| Q6. | TIFF format is developed by |
| Option A: | ALDUS CORPORATION |
| Option B: | GOOGLE |
| Option C: | IBM |
| Option D: | LINUX |
|  |  |
| Q7. | Run Length Encoding is used for |
| Option A: | Reducing the repeated string of characters |
| Option B: | Bit error correction |
| Option C: | Correction of error in multiple bits |
| Option D: | Lossy Compression |
|  |  |
| Q8. | What will happen once a file is compressed? |
| Option A: | it has a better quality |
| Option B: | it takes up less space for storage |
| Option C: | it cannot be delivered to the client more quickly |
| Option D: | it is almost same as uncompressed file |
|  |  |
| Q9. | The technique that may be used to increase average information per bit is |
| Option A: | Huffman Coding |
| Option B: | Shannon Fano |
| Option C: | MPEG |
| Option D: | RLE |
|  |  |
| Q10. | The sequence of operations in which PCM is done is |
| Option A: | Sampling, quantizing, encoding |
| Option B: | Quantizing, encoding, sampling |
| Option C: | Sampling, encoding, quantization |
| Option D: | Quantizing, sampling, encoding |
|  |  |
| Q11. | MIDI stands for: |
| Option A: | Musical Instrument Digital Interface |
| Option B: | MP3 Instrument Digital Interface |
| Option C: | Musical Instrument Design Interface |
| Option D: | Multimedia Instrument Digital Interface |
|  |  |
| Q12. | Which format was developed by IBM and Microsoft? |
| Option A: | AVI |
| Option B: | MIDI |
| Option C: | MPEG |
| Option D: | WAVE |
|  |  |
| Q13. | Total number of bits required for encoding the message ‘mississippi’ using Huffman coding |
| Option A: | 20 |
| Option B: | 21 |
| Option C: | 22 |
| Option D: | 11 |
|  |  |
| Q14. | Which of the following picture is not supported by MPEG Compression? |
| Option A: | Intra pictures (I-pictures) |
| Option B: | Predicted pictures (P-pictures) |
| Option C: | Bidirectional predicted pictures (B-pictures) |
| Option D: | Unidirectional predicted pictures (U-pictures) |
|  |  |
| Q15. | MPEG stands for |
| Option A: | moving pictures expert group |
| Option B: | making pictures expert group |
| Option C: | moving program expert group |
| Option D: | moving pictures entertainment group |
|  |  |
| Q16. | What is chroma subsampling? |
| Option A: | sampling color information at lower resolution |
| Option B: | sampling color information at higher resolution |
| Option C: | process of increasing brightness in the image |
| Option D: | process of decompressing image to original image |
|  |  |
| Q17. | For 3D video we use |
| Option A: | MPEG 1 |
| Option B: | MPEG 2 |
| Option C: | MPEG 3 |
| Option D: | MPEG 4 |
|  |  |
| Q18. | In which authoring tool, the elements are organized along a timeline? |
| Option A: | Time based tools |
| Option B: | icon or event-based tools |
| Option C: | card or page tools |
| Option D: | action based tools |
|  |  |
| Q19. | Variation in delay for packets belonging to the same flow is called: |
| Option A: | Reliability |
| Option B: | Delay |
| Option C: | Jitter |
| Option D: | Bandwidth |
|  |  |
| Q20. | Which of the following is a protocol for controlling the flow and quality of data? |
| Option A: | RTP |
| Option B: | RTCP |
| Option C: | UDP |
| Option D: | FTP |
|  |  |
| Q21. | Which of the following is not a method in RTSP protocol. |
| Option A: | Set Up |
| Option B: | Teardown |
| Option C: | Pause |
| Option D: | Repeat |
|  |  |
| Q22. | Hiding of data within data, where we can hide images, text, and other messages within images, videos, music or recording files is called |
| Option A: | Cryptography |
| Option B: | Digital Signature |
| Option C: | Steganography |
| Option D: | Watermarking |
|  |  |
| Q23. | Message Integrity means |
| Option A: | Data should not be accessed by unauthorized users |
| Option B: | Data must reach the receiver exactly as it was sent |
| Option C: | Sender must not deny that the message has not been send by him/her |
| Option D: | User should be verified before giving it access to the system resources |
|  |  |
| Q24. | Creating a Message Digest (MD) by using Hash Function on Plaintext is called as |
| Option A: | Digital Certificate |
| Option B: | Digital Signature |
| Option C: | Watermarking |
| Option D: | Steganography |
|  |  |
| Q25. | Hashed message is signed by a sender using |
| Option A: | his public key |
| Option B: | his private key |
| Option C: | receiver’s public key |
| Option D: | receiver’s private key |