

MS_COMP_SEM_V_CBCS_REG_Jan.2 1-(R16)-MCQs

* Required

Q.1 Choose the correct option for following questions. All the Questions are compulsory and carry equal marks

CCITT Group 3 compression utilizes Huffman coding to generate a set of _____ code and set of _____ codes for given bit stream. *

- ☒ makeup code, terminating code
- ☐ Vertical Code, Pass Code
- ☐ Pas code, Terminating code
- ☐ Vertical Code, Terminating code

While enlarging the image, _____ image will blur while _____ image will not blur. *

- ☐ vector, bitmap
- ☐ bitmap, gif
- ☒ bitmap, vector
- ☐ bitmap, jpeg



What is the extension at the image file used by digital cameras and supports upto 24-bit colors? * 2 points

- ☐ .bmp
- ☒ .jpeg
- ☐ .gif
- ☐ .tif

If I want to use Google meet as a tool for my online class. Which of the following will be best supported Multimedia System Architecture for the same? * 2 points

- ☐ Workstation Architecture
- ☐ IMA Architecture
- ☐ Network Architecture
- ☒ Internet Architecture

_____ correlation between adjacent frames in a sequence of images in video applications. * 2 points

- ☐ Spatial redundancy
- ☐ Spectral redundancy
- ☒ Temporal redundancy
- ☐ Coding redundancy



_____ in JPEG aims at reducing the total number of bits in the compressed image. * 2 points

- ☐ Zig-zag ordering
- ☐ run-length encoding
- ☒ Quantization
- ☐ Entropy coding

WAVE sound file format bit stream encoding is the _____ * 2 points

- ☒ PCM
- ☐ DM
- ☐ PWM
- ☐ DPCM

Component video is an analog format that carries _____ only * 2 points

- ☐ Audio data
- ☒ visual data
- ☐ Text Data
- ☐ Image Data



The higher the bit rate, the less compression, which results in overall _____ of audio file. *

2 points

- ☐ less quality
- ☐ zero quality
- ☐ Poor quality
- ☐ higher quality

_____ a digital compression of video data that compresses the size of the video file by compressing the image data of each frame *

2 points

- ☒ Temporal compression
- ☐ Spatial compression
- ☐ redundant compression
- ☐ visual compression

In video compression, _____ saves even more space by using differences between the current frame and both the preceding and following frames to specify its content. *

2 points

- ☐ B - frames
- ☐ Multi-frame
- ☐ I - frame
- ☐ P - frames



In H.261, each CIF frame is composed of _____ Groups of Blocks (GOBs) *

2 points

- ☐ 8
- ☐ 10
- ☐ 12
- ☒ 16

Multicast packets are encapsulated inside regular IP packets for "tunneling", so that they can be sent to the destination through the islands. Is the a feature of _____ packets. *

2 points

- ☐ RTP
- ☒ RTCP
- ☐ IGMP
- ☐ MBONE

_____ is a measure of smoothness of the audio/video playback, related to the variance of frame/packet delays. *

2 points

- ☐ Packet loss
- ☐ Latency
- ☒ Jitter
- ☐ Data rate



In IP-Multicast, message is sent to _____ *

2 points

- ☒ only receiver
- ☐ only one node
- ☐ all nodes in the domain
- ☐ a set of specified nodes

_____ monitors QoS in providing feedback to the server(sender) on quality of data transmission and conveys information about the participants of a multiparty conference. *

2 points

- ☐ RTCP
- ☐ RTP
- ☐ IGMP
- ☐ RTSP

Digital signatures offer a way of verifying both the authenticity and _____ of a message. *

2 points

- ☒ integrity
- ☐ Confidentiality
- ☐ Copyrights
- ☐ Privacy and Anonymity



Which of the following is not type of Steganography? *

2 points

- ☐ Image
- ☐ Audio
- ☐ Video
- ☐ Text

if I want to edit my childhood photograph, first I have to convert it into the digital format. What would be the best suitable device for the same? *

2 points

- ☐ Camera
- ☐ scanner
- ☐ printer
- ☐ Electric pen

What will be more suitable from below to describe a digital signature? *

2 points

- ☒ Signature which is used to authenticate the person on digital documents
- ☐ Signature image which is used in online platform to fill the form whenever its needed.
- ☐ Signature which provides the authentication of the user through self produced methods
- ☐ Signature which provides the authentication of the user through security mechanisms



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