

# 1601\_R16\_Comp\_V\_CSDLO5011\_MMS\_OBJECTIVE

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## 1601\_R16\_Comp\_V\_CSDLO5011\_MMS\_OBJECTIVE

Q1. Choose the correct option for following questions. All the Questions are compulsory and carry equal marks

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

- ☐ Option A: Workstation Architecture
- ☐ Option B: IMA Architecture
- ☐ Option C: Network Architecture
- ☒ Option D: Internet Architecture

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

2 points

- ☒ Option A: integrity
- ☐ Option B: Confidentiality
- ☐ Option C: Copyrights
- ☐ Option D: Privacy and Anonymity



\_\_\_\_\_ correlation between adjacent frames in a sequence of images in video applications. \*

2 points

- ☐ Option A: Spatial redundancy
- ☐ Option B: Spectral redundancy
- ☒ Option C: Temporal redundancy
- ☐ Option D: Coding redundancy

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

2 points

- ☐ Option A: less quality
- ☐ Option B: zero quality
- ☐ Option C: Poor quality
- ☒ Option D: higher quality

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

2 points

- ☐ Option A: Packet loss
- ☐ Option B: Latency
- ☒ Option C: Jitter
- ☐ Option D: Data rate



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

- ☐ Option A: RTP
- ☒ Option B: RTCP
- ☐ Option C: IGMP
- ☐ Option D: MBONE

WAVE sound file format bit stream encoding is the \_\_\_\_\_ \*

2 points

- ☒ Option A: PCM
- ☐ Option B: DM
- ☐ Option C: PWM
- ☐ Option D: DPCM

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

2 points

- ☐ Option A: 8
- ☐ Option B: 10
- ☒ Option C: 12
- ☐ Option D: 16



CCITT Group 3 compression utilizes Huffman coding to generate a set of \_\_\_\_\_ code and set of \_\_\_\_\_ codes for given bit stream. \* 2 points

- ☒ Option A: makeup code, terminating code
- ☐ Option B: Vertical Code, Pass Code
- ☐ Option C: Pas code, Terminating code
- ☐ Option D: Vertical Code, Terminating code

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

- ☐ Option A: Audio data
- ☒ Option B: visual data
- ☐ Option C: Text Data
- ☐ Option D: Image Data

While enlarging the image, \_\_\_\_\_ image will blur while \_\_\_\_\_ image will not blur. \* 2 points

- ☐ Option A: vector, bitmap
- ☐ Option B: bitmap, gif
- ☒ Option C: bitmap, vector
- ☐ Option D: bitmap, jpeg



In IP-Multicast, message is sent to \_\_\_\_\_ \*

2 points

- ☐ Option A: only receiver
- ☐ Option B: only one node
- ☐ Option C: all nodes in the domain
- ☒ Option D: a set of specified nodes

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

2 points

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

\_\_\_\_\_ in JPEG aims at reducing the total number of bits in the compressed image. \*

2 points

- ☐ Option A: Zig-zag ordering
- ☐ Option B: run-length encoding
- ☒ Option C: Quantization
- ☐ Option D: Entropy coding



Which of the following is not type of Steganography? \*

2 points

- ☐ Option A: Image
- ☐ Option B: Audio
- ☐ Option C: Video
- ☒ Option D: 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

- ☐ Option A: Camera
- ☒ Option B: scanner
- ☐ Option C: printer
- ☐ Option D: Electric pen

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

2 points

- ☒ Option A: Temporal compression
- ☐ Option B: Spatial compression
- ☐ Option C: redundant compression
- ☐ Option D: visual compression



\_\_\_\_\_ monitors QoS in providing feedback to the server(sender) 2 points  
on quality of data transmission and conveys information about the  
participants of a multiparty conference. \*

- ☒ Option A: RTCP
- ☐ Option B: RTP
- ☐ Option C: IGMP
- ☐ Option D: RTSP

In video compression, \_\_\_\_\_ saves even more space by using 2 points  
differences between the current frame and both the preceding and  
following frames to specify its content \*

- ☒ Option A: B - frames
- ☐ Option B: Multi-frame
- ☐ Option C: I - frame
- ☐ Option D: P - frames

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

- ☐ Option A: .bmp
- ☒ Option B: .jpeg
- ☐ Option C: .gif
- ☐ Option D: .tif



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