Program: BE Electronics and Telecommunication Engineering

Curriculum Scheme: Revised 2016

Examination: Third Year Semester V

Course Code: ECCDLO 5014 and Course Name: Data Compression &Encryption

Time: 1hour   Max. Marks: 50

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

Q1.	Which program pulls the message when Bob needs to retrieve it?
Option A:	User Agent
Option B:	Message Transfer Agent Server
Option C:	Message Access Agent Client
Option D:	Message Transfer Agent Client
Q2.	As Cryptography is a science and art of creating secret codes; the science and art of breaking those codes are
Option A:	Steganography
Option B:	Hashing
Option C:	Crypt Analysis
Option D:	Symmetric key encipherment
Q3.	What is used to create a fixed length message digest out of variable length message ?
Option A:	Symmetric key encipherment
Option B:	Asymmetric key encipherment
Option C:	Hashing
Option D:	Steganography
Q4.	In Audio and Video Compression, each frame is divided into small grids, called picture elements or _____
Option A:	Frames
Option B:	Packets
Option C:	Pixels
Option D:	Mega pixels
Q5.	The standard value of A in A-law is _____
Option A:	87
Option B:	88
Option C:	86.7

Option D:	87.6
Q6.	Streaming stored audio/video, files are compressed and stored on a _____
Option A:	IP
Option B:	Server
Option C:	Domain
Option D:	Internet
Q7.	What is tag value of Compressed Data Packet in PGP Message?
Option A:	8
Option B:	9
Option C:	11
Option D:	13
Q8.	The Image compression is defined as _____
Option A:	Type of data compression applied to digital images, to reduce their cost for storage or transmission.
Option B:	Type of data compression applied to analog images, to reduce their cost for storage or transmission
Option C:	Type of data compression applied to digital images, to reduce their cost for device or transmission
Option D:	Type of data compression applied to still images, to reduce their cost for storage or size.
Q9.	What is the method that is used to generate a processed image that have a specified histogram?
Option A:	Histogram linearization
Option B:	Histogram equalization
Option C:	Histogram matching
Option D:	Histogram processing
Q10.	In which of the following cipher encryption and decryption are done r bits at a time ?
Option A:	Transposition cipher
Option B:	Block cipher
Option C:	Modern stream cipher
Option D:	Substitution cipher
Q11.	The Mid-Rise type and Mid-Tread types are _____ and inserting the data on to the image is called_____
Option A:	Sampling , Image Enhancement
Option B:	Quantization , Image Watermarking
Option C:	Encoding , Image compression
Option D:	DPCM , Image Equalization

Q12.	Lossy techniques provide _____ when compared to lossless techniques.
Option A:	Lower Compression Ratios
Option B:	Much Higher Compression Ratios
Option C:	Similar Compression Ratios
Option D:	Zero compression
Q13.	What does Subject Public Key field define in X.509?
Option A:	The earlier time and latest time the certificate is valid
Option B:	The entity to which the public key belongs
Option C:	The owners public key
Option D:	Identifies the certificate authority
Q14.	14 rounds are performed by _____
Option A:	AES 256
Option B:	AES 192
Option C:	AES 250
Option D:	AES 128
Q15.	Using RSA cryptosystem with p=7 and q=9. Encrypt M=24 to find cipher text. The Cipher text is
Option A:	42
Option B:	93
Option C:	114
Option D:	103
Q16.	Which version of SSL is compatible with TLSv1.0 ?
Option A:	SSLv1.0
Option B:	SSLv2.0
Option C:	SSLv3.0
Option D:	SSLv4.0
Q17.	Histogram equalization refers to image_____
Option A:	Sampling
Option B:	Framing
Option C:	Quantization
Option D:	Normalization
Q18.	The function of the_____ procedure is to preserve the sibling property.
Option A:	Update
Option B:	Encoding
Option C:	Decoding
Option D:	serial
Q19.	The _____ standard is one of the most widely known standards for lossy image compression.

Option A:	JPEG
Option B:	MPEG
Option C:	Predictive encoding.
Option D:	Perceptual encoding.
Q20.	Public key cryptography _____ algorithm is used.
Option A:	RSS
Option B:	RAS
Option C:	RSA
Option D:	RAA
Q21.	The message in SHA -512 is padded so that its length is
Option A:	832 mod 1024
Option B:	768 mod 1024
Option C:	960 mod 1024
Option D:	896 mod1024
Q22.	DCT method used by _____
Option A:	MPEG4
Option B:	JPEG
Option C:	JPEG LS
Option D:	JPEG 2000
Q23.	Multimedia files stored on a remote server are delivered to a client across the network using a technique known as _____
Option A:	Downloading
Option B:	Streaming
Option C:	Flowing
Option D:	Leaking
Q24.	Symmetric key cryptography is _____ than asymmetric key cryptography
Option A:	Always slower
Option B:	Of the same speed
Option C:	Faster
Option D:	Usually slower
Q25.	In the formula 1-(1/c), C is the_____ And Method uses the two modes of operation run mode and regular mode is _____
Option A:	Complex ratio, JPEG
Option B:	Compression Ratio, JPEG LS
Option C:	Constant , JPEG 2000
Option D:	Conduction, MPEG