Program: BE Electronics and Telecommunication Engineering

Curriculum Scheme: Revised 2012

Examination: Final Year Semester VII

Course Code: ETE 701 and Course Name: Data Compression & Encryption

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Option B:

G.721

lime: Inour	Max. Marks: 50
Note to the students:- All the Questions are compulsory and carry equal marks	

01. Huffman coding is an encoding algorithm used for Option A: broadband systems lossless data compression Option B: Option C: lossy data compression Option D: files greater than 1 Mbit Q2. The window consists of two parts, a that contains a portion of the recently encoded sequence. Option A: Search buffer. Option B: Look-ahead buffer. Offset Option C: Option D: Match point Without losing quality, JPEG-2000 can achieve compression ratios of Q3. Option A: 2000:1 Option B: 200:1 20:1 Option C: Option D: 2:1 Q4. For Music, we need to compress digitize signals at Option A: 1.41 I-MHz Option B: 1.42 I-MHz Option C: 1.45 I-MHz Option D: 1.48 I-MHz Q5. LPC (linear predictive coding) is introduced in Option A: 1970 1960 Option B: 1967 Option C: Option D: 1976 A-LAW/U-LAW encodings (8 bits/sample) Audio Coding Standards are Q6. Option A: G.711

Option C:	G.723
Option D:	G.728
opiidi 2:	51720
Q7.	The u-Law inputs a 14bit sample, and via a non-linear transform outputs an
Option A:	4bit sample
Option B:	6bit sample
Option C:	8bit sample
Option D:	10bit sample
Орион В.	Took sample
Q8.	Themay occur when a strong sound at frequency f is preceded
	or followed by a weaker sound of the same (or nearly the same) frequency.
Option A:	Temporal masking
Option B:	Sampling
Option C:	Frequency masking
Option D:	Auditory masking
Q9.	Moving Picture Experts Group (MPEG-2), was designed for high-quality DVD with a data rate of
Option A:	3 to 6 Mbps.
Option B:	4 to 6 Mbps.
	-
Option C:	5 to 6 Mbps.
Option D:	6 to 6 Mbps.
Q10.	Moving Picture Experts Group (MPEG-2), was designed for high-quality DVD with a data rate of
Option A:	3 to 6 Mbps
Option B:	4 to 6 Mbps
Option C:	5 to 6 Mbps
Option D:	6 to 6 Mbps
Q11.	What is MPEG compression?
Option A:	stores the compression values of each frame
Option B:	stores the differences between successive frames
Option C:	stores multiple frames' values together
Option D:	stores the encryption values of each frame
012	The second phase of IDEC is
Q12. Option A:	The second phase of JPEG is DCT transformation
Option B:	Data compression
Option C:	Quantization
Option D:	Data encryption
opnon D.	2 mm chicippion
Q13.	audio/video refers to the broadcasting of radio and TV programs through the Internet.
Option A:	Interactive
Option B:	Streaming live

Option C:	Streaming stored
Option D:	Demand streaming
Option D.	Demand streaming
Q14.	Meet in the middle Attack is observed in:
Option A:	AES
Option B:	Double DES
-	
Option C:	Triple DES
Option D:	DES
Q15.	Feistel cipher is the good example of:
Option A:	Transposition cipher
Option B:	Affine cipher
Option C:	Play fair cipher
Option D:	Product Cipher
016	W/L-4 1111
Q16.	What do you call a subgroup of a group which can be generated using power of an element?
Ontion A	
Option A:	Random subgroup
Option B:	Cyclic subgroup
Option C:	Ring subgroup
Option D:	Plain subgroup
017	The Date Engage of the 1-11 and 1-1 an
Q17.	The Data Encryption Standard is classified as:
Option A:	Symmetric Key Block Cipher
Option B:	Asymmetric key Block Cipher
Option C:	Symmetric key Stream Cipher
Option D:	Asymmetric key Stream Cipher
Q18.	Using RSA cryptosystem with p=7 and q=9. Encrypt M=24 to find cipher text.
Q10.	The Cipher text is
Option A:	42
Option B:	93
Option C:	114
Option D:	103
Option D:	103
Q19.	The method provides a one-time session key for two parties
Option A:	D. Hellman
Option B:	DES
Option C:	AES
Option C:	RSA
Орион D.	KOA
Q20.	When a hash function is used to provide message authentication, the hash
Q20.	function value is referred as
Option A:	Message Field
Option B:	Message digest
	Message digest Message score
Option C:	
Option D:	Message leap

Q21.	When two different message digest have the same value, it is called as
Option A:	Attack
Option B:	Collision
Option C:	Hash
Option D:	Digital signatures
Q22.	Which of these is not Internal Threat Pattern of Intrusion?
Option A:	Install remote administration tool called DameWare.
Option B:	Create network accounts for themselves and their friends.
Option C:	Perform large downloads and file copying.
Option D:	Access the network during off hours.
Q23.	Which is the correct definition of FRR?
Option A:	Ratio of True rejection to the total number of attempts
Option B:	Ratio of False rejection to the total number of attempts
Option C:	Ratio of True acceptance to the total number of attempts
Option D:	Ratio of False acceptance to the total number of attempts
Q24.	Which is the correct definition of FAR?
Option A:	Ratio of True rejection to the total number of attempts
Option B:	Ratio of False rejection to the total number of attempts
Option C:	Ratio of True acceptance to the total number of attempts
Option D:	Ratio of False acceptance to the total number of attempts
Q25.	Which one of these is correct definition of Antivirus?
Option A:	prohibits potentially vulnerable services from entering or leaving the network
Option B:	Computer program used to prevent, detect, and remove malware.
Option C:	A program inserted into software by an intruder.
Option D:	Software that collects information from a computer and transmits it to another
	system.