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Roll No.:

322847(22)

B. E. (Eighth Semester) Examination, April-May 2021 (New Scheme)

(CSE Engg. Branch)

INTERNET and MULTIMEDIA, TECHNOLOGY

(b) Give reason When the device of the send of the sen

Note: Attempt all questions. Part (a) of each question is compulsory and carrying 2 marks each and attempt two parts from (b), (c) and (d) carrying 7 marks each. Draw labelled diagram to support your answer and state assumption clearly if any.

Unit-I

1. (a) Define Firewall.

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	in each layer.	7
	(c) Explain the working of ARP and RARP protocol.	7
	(d) A company is granted the class C site address 201.70.64.0 the company needs six subnet. Design	7
	the subnet.	I f
	Unit-II	
2.	(a) What are the different types of cable media used in computer network?	2
	(b) Give reason why separate network for signaling is required in modern telephone network and explain the devices and protocol stack of signaling system	
	Vare 2 Attempt all questions part (523) 7 ach	7
	(c) Draw the ATM reference model and write the function of each layer of ATM reference model.(d) Explain the services provided by the different layers	7
	in ISDN.	7
	Unit-III	
3.	(a) Define wireless network.	2

[3]

	(b)	Explain MACAW protocol for wireless LAN.	
	(c)	Define mobile IP and explain the 03 phases of data transfer in mobile IP.	7
	(d)	Explain the Bluetooth and its type.	7
		Unit-IV	
4.	(a)	Define temporal and non-temporal media.	2
	(b)	Explain LZW compression algorithm. Encode the string "BAABABBBAABBBBAA" using LZW	
		algorithm.	7
	(c)	Briefly state the Huffman coding algorithm with example?	7
	(d)	Describe briefly outline the JPEG compression pipeline and the constituent compression algorithms	
		employed at each stage in the pipeline.	7
		Unit-V	
5.	(a)	What is IEEE 1394?	2
	(b)	What is MMX technology instruction? Also explain	
		the data type and instruction set of MMX technology	
		instruction.	7

(c) Describe content based image retrieval with example	B. 7	example	with	retrieval	image	based	content) Describe	(c)
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(d) Explain the Earliest deadline first algorithm (EDF) and write the condition to determine whether the task set is schedulable by EDF.

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(c) Untelly space the Huffman coding algorithm with

(d) Describe briefly outline the IPBG compression province and the constraint compression algorithms

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(b) What is MAX technology imbration. Also explain the data type and marketion serie (NMA) resimulogy neurosion.