I CONTRACTORY TRANSPORTED THAT THAT	(Pages : 2)	3772
Reg. No. :	ii – siuboM	
Name :	Pulse code modulation tenhaldue usa	
	B.Tech. Degree Examination, (2008 Scheme) 6 DATA COMMUNICATION (R)	
Time: 3 Hours	silons of NITZ codes	Max. Marks: 100
	PART – A	
Answer all questions :	or detection code with an example.	
00	ion and state their characteristics.	b) Differentiate par
2. List out the advantages of	of digital communication over analog co	ommunication.
3. List out the criteria used	in evaluating transmission medium.	
4. Explain how guided med	ia differs from unguided transmission r	media.
5. Differentiate data signalia	ng rate and modulation rate.	media.  TRIVANORUM-11  TRIVANORUM-11  TRIVANORUM-11  TRIVANORUM-11
6. Compare and contrast TI	DM and FDM.	SHIP RIVANDRUM S
7. Define sampling and qua	ntization.	S NHOC - KANNAMMOOL
8. Write a brief note on Har	nming Codes.	1101 + 15
9. What are the four generic network?	c architectural components of a public t	elecommunications
10. Define convolution code	and state its advantages.	(10×4=40 Marks)
	PART-B Module-I	
	s that can be taken to compensate for attenuation and noise.	r transmission (5+5)
b) Give the physical des	scription of Satellite Microwave and state	e its applications. 10

 a) With a help of block diagram explain the key elements of a communication model.

OR

b) Write short note on Shannons theorem.

P.T.O.

15

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## Module - II

module II	
ail the Pulse code modulation technique used in co	des. 20
rester B.Tech. Degree Examination, ROne	
7 coding technique and discuss how hiphase coding	n tachniques
	20
	ETHIEF S HOURS
Module – III	
RC error detection code with an example.	10
	Answer all questions
numeation and state their characteristics RO	
otes on the following:	
ed media differs from unguided transmission media	obiug won alsigned 10
signaling rate and modulation rate.	(3×20=60 Marks)
	Е. Сотнрага али соп
on Hamming Codes.	etonite tidis ethi. 2 -
	coding technique and discuss how biphase coding te limitations of NRZ codes.  Module – III  Control detection code with an example.  The packet switching and circuit switching.  OR  The packet on the following:  The packet on the following:  The packet on the following:  The packet on the following:

s what are the four generic architectural components of a public relecommunications

(ToxA=40 Marks

Define convolution code and state its advantages

PARTUR