Roll No.	B. Tech. (Electronics Engg, ECE, ETE) (Sem ANALOG COMMUNICATION SYSTE Subject Code: BTEC-401 Paper ID: [A1189]	Total No. of Pages: 02 Total No. of Questions: 09 4 th)
1 mc. 3 m	3.	Max. Marks: 60
1) Sec 2) Att	TION TO CANDIDATES: ction- A is Compulsory. cempt any four questions from Section- B. cempt any two questions from Section- C.	
	SECTION-A	C
Q.1. (a)	What is the role of Sample and Hold circuit?	(10x2=20)
(b)	What is the effect of negative feedback on amplifier circuits	0
(c)	Explain the principle of phase shift oscillator	
(d)	What do you mean by Sensitivity?	
(e)	Write down the role of AGC.	
(f)	Why pre emphasis and de emphasis is done?	
(g)	What do you mean by Image frequency?	
(h)	Explain Coherent Signal.	
(i)	What is FM capture effect?	
	Draw and explain the generation of PTM. SECTION-R	

SECTION-B

(4x5=20)

- Q.2. How Amplitude modulated signal is demodulated using PLL?
- Q.3. Explain the working of single side band envelop detector.
- Q.4. Discuss the working of Super Heterodyne receiver using block diagram.
- Explain the generation of FM modulation using varactor diode modulator. Q.5.
- Discuss the block diagram Single side band BFO receiver. Q.6.

- Discuss the working of Foster Seeley discriminator and Zero crossing detection for frequency Q.7. demodulation.
- What do you mean by SSB transmission? Discuss any two methods of generation of SSB. Q.8.
- Manny scholare Rate St. Colff Q.9. (a) Draw and explain the circuit for generating natural and flat top PAM.