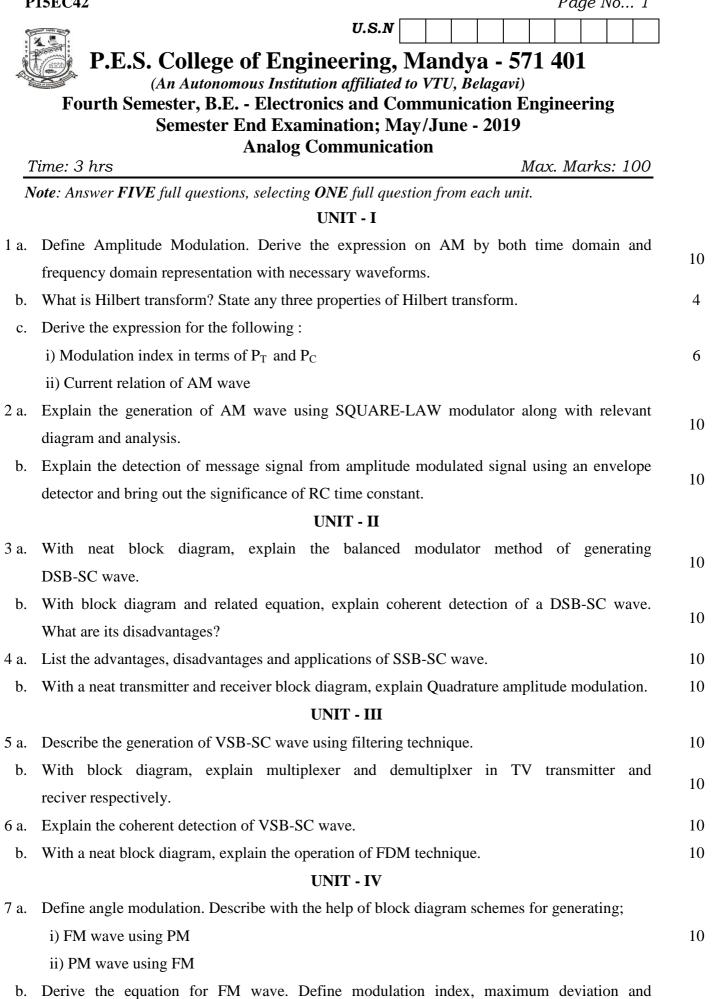
bandwidth of FM signal.



10

P15EC42		Page No 2		
8 a.	Explain the generation of FM wave using direct method.			10
b.	Explain the demodulation of FM wave using PLL.			10
UNIT - V				
9 a.	Define the following terms :			
	i) Shot noise	ii) Thermal noise		10
	iii) White noise	iv) Noise figure		
b.	For a linear two port device, derive an equation for equivalent noise temperature.		е.	10
10 a.	Describe the noise in SSB-SC receiver.			10
b.	With a block diagram and equivalent circuit, explain preemphasis and deemphasis.			10

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