

V.P. & R.P.T.P SCIENCE COLLEGE

INTERANAL EXAM

S.Y.B.Sc(SEM-III) ELECTRONICS

- Analog Communication		DE: USU3CELCZZ
THE CONTRACTOR OF THE STREET OF STREET OF THE STREET OF TH	THME. 3.00 pm to 4.13 pm	MARKS-25 [05]
	r signal is normally kent	[05]
	* *	nication
, ,		
(A) transmitted power		uency
(B) carrier signal frequency	(D) None of above	
5. Varactor diode operates in	bias condition.	
(A) forward	(C) reverse	
(B) zero	(D) None of above	
	cessary diagram.	e [05]
	on. Derive the expression for the frequenc	y [05]
Discuss square law diode m	odulation method with necessary diagram	n. [05]
Discuss linear diode detecto	or circuit with necessary diagram.	[05]
Draw a circuit diagram of re	eactance tube modulation method and disconnection	cuss it. [05]
Describe frequency modula	tion method using varactor diode.	[05]
Explain the concept of ground	nd wave propagation. OR	[05]
Discuss surface wave propa	gation system.	[05]
	Choose correct answer The frequency of the carrie (A) zero (B) low Modulation pro (A) Phase (B) Amplitude frequency is known (A) 3-30 MHz (B) 30-300 MHz Height of the transmitting at (A) transmitted power (B) carrier signal frequency Varactor diode operates in (A) forward (B) zero Define amplitude modulation modulated voltage with necessity Discuss square law diode m Discuss linear diode detector Draw a circuit diagram of red Describe frequency modulation Explain the concept of grounds Explain the concept of grounds The frequency answer Modulation pro (A) Phase (B) Amplitude frequency (A) 3-30 MHz Height of the transmitting at (A) transmitted power (B) carrier signal frequency Varactor diode operates in (A) forward (B) zero Define amplitude modulation modulated voltage with necessity Describe frequency modulation Discuss linear diode detector Draw a circuit diagram of red Describe frequency modulation Describe frequency modulation Explain the concept of grounds	Choose correct answer The frequency of the carrier signal is normally kept (A) zero (C) high (B) low (D) None of above Modulation process is used for high quality audio communi (A) Phase (C) Frequency (B) Amplitude (D) None of above frequency is known as UHF. (A) 3-30 MHz (D) None of above Height of the transmitting antenna depends on (C) modulation signal freq (B) carrier signal frequency (D) None of above Varactor diode operates in bias condition. (A) forward (C) reverse (B) zero (D) None of above Define amplitude modulation. Derive the expression for the amplitud modulated voltage with necessary diagram. OR Define frequency modulation. Derive the expression for the frequence modulated voltage with necessary diagram. OR Discuss square law diode modulation method with necessary diagram. OR Discuss linear diode detector circuit with necessary diagram. OR Describe frequency modulation method using varactor diode. Explain the concept of ground wave propagation.