	xv) Explain inter electrode capacitance effect?			Printed Pages : 4	1053
SECTION-C Note:Long answer type questions. Attempt any three questions. 3x10=30		5th Sem. / Eltr. Subject : Communication Engineering -II Time : 3 Hrs. M.M. : 100			: 100
Q.3	Explain the block diagram of satellite communication.	SECTION-A			
Q.4	1 5 5 5			ry Short Answer type questions. Attempt parts. (15x2=	-
Q.5	radar with the help of neat diagram. Define diversity. Describe the most commonly used diversity schemes.	Q.1	a)	and wavelength.	ency
Q.6	Explain construction and principle of two cavity klystron.		b) c)	Write the frequency of C-band. What is work function.	
Q.7	Draw the structure of a parabolic reflectors and explain its working. Also list its typical applications.		d)	Write any two advantages of microwave	es.
			e)	Define propagation constant.	
			f)	Define frequency pulling.	
			g)	Microwaves have band withan common bands.	vidth
			h)	A klystron can be used either as a or as an	

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Q.7

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(1)

- i) Define phase velocity.
- j) Twists.
- k) Antenna
- I) Repeater
- m) Modulator
- n) Write application of CW.
- o) Domestic satellite are generally placed in
- p) What is intel sat.
- q) Shortwave.
- r) Why waveguides are not used at high frequencies.

SECTION-B

Note:Short answer type questions. Attempt any ten parts 10x4=40

Q.2 i) List two advantages and application of microwaves.

(2)

- ii) Explain construction and working procedure of Gunn diode.
- iii) Define modes of wave guide?
- iv) What is the use of directional coupler?
- v) Explain horn antenna. List Advantages of horn antenna.
- vi) Describe troposphere and its various Properties.
- vii) Define FMCW radar, its block diagram with working principles.
- viii) Explain what is mean by saying that satellite is stationary?
- ix) Draw field configuration of TE20 mode.
- x) Explain vsat and Lists its applications.
- xi) Write a short note on PPI.
- xii) What is basic concept of thermionics emission.
- xiii) Which is better cable or satellite? Explain.
- xiv) Why do we use Duplexer?

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