(10 Marks) (05 Marks) (05 Marks)

## Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

8

## Seventh Semester B.E. Degree Examination, Dec.2017/Jan.2018 Wireless Communication

Time: 3 hrs.

Max. Marks:100

Note: Answer FIVE full questions, selecting at least TWO questions from each part.

		PART - A	
1		With neat diagram, explain OSI model. Also relate it to communication nexplain.	network and (10 Marks)
	b.	Describe the characteristics of 1G, 2G, 3G and 4G cellular systems.	(10 Marks)
2	a. b.	Explain mobile terminated call operation.  With neat block diagram, explain the common wireless cellular network compon	(10 Marks) nents.

3	а	Explain how cell splitting and ce	ell sectoring technique	es are use	d to	expand the	capacity of a
		a allular avatam					(10 Marks)
	h	Explain concept of mobility	management. Also	explain	the	functions	of location
	υ.	management with a figure.	\(\)	1			(10 Marks)
		management with a figure.	( 12 C)				

1	9	With a neat block diagram,	explain various	protocols used in	GSWI Signating model.
+	a.	With a near block diagram,	Janey Jane		(10 Marks)
				The state of the s	(10 Mayles)
	h	Evplain in detail GSM char	nnel concept.	Comment of the second	(10 Marks)

		( \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
5	a.	Explain with a diagram, Inter BSC handover operation.
	b.	List out the ten operations in call setup in GSM system.
	c.	Explain IMEI check.

6	b.	Describe soft hand off in CDMA systems.  Explain the functions of three layers in network management system.  Explain spectrum spreading in CDMA.	(05 Marks) (10 Marks) (05 Marks)

7 a Describe the Warts	error correction and detection codes used in wireless syste	1113.
a. Describe the varie		(10 Monks)
		(10 Marks)
January J.		
1. Englain Fraguency	was to abnique	(10 Marks)

U.	Explain, hodge in the property	
	Explain typical MAN deployment scenario.	(05 Marks)
a.	Explain typical WAIV deployment seems to	4 11 must sail stools
h	With suitable diagram, explain blue tooth system components / Blue	tooth protocol stack.
υ.	With Structure diagram, explain of the second system	(08 Marks)
		13 // /
	Explain the design issues of IEEE 802.11 standard.	(07 Marks)
C.	Explain the design issues of IEEE 802.11 standard.	(0)

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