erent Kott Mo')

## END TERM EXAMINATION

SEVENTH SEMESTER [B.TECH] NOVEMBER-DECEMBER 2019

Q1 (a) (b) (c) (d) (e) Q2 (a) (b) Q4 (a)	Attempt any five questions included Assume missing  What are the limitations of converge to Explain basic requirements requirements requirements and Explain the concept of Frequency Explain HLR and VLR.  Explain why GEO is not preferred to Draw the block diagram of PCS and Calculate the spectral efficiency transmission data rate is 1.152 for the strength of the spectral efficiency transmission data rate is 1.152 for the sp	entional mobile telephone system. ired for establishing WLAN. y reuse.  d over GSM satellite.  architecture and explain it. ( (η <sub>s</sub> ) if the bandwidth is 684 Kbps	(5) (5) (5) (5) (5) (5)
Q1 (a) (b) (c) (d) (e) Q2 (a) (b) Q4 (a)	Assume missing  ) What are the limitations of converge to the limitation of limitations of limita	entional mobile telephone system. ired for establishing WLAN. y reuse.  d over GSM satellite.  architecture and explain it. ( (η <sub>s</sub> ) if the bandwidth is 684 Kbps	(5) (5) (5) (5) (5) (5)
(b) (c) (d) (e) (22 (a) (b) (a) (b) (a) (a)	) What are the limitations of converge () Explain basic requirements requirements requirements requirements the concept of Frequency () Explain HLR and VLR. ) Explain why GEO is not preferred () Draw the block diagram of PCS at Calculate the spectral efficiency	entional mobile telephone system. ired for establishing WLAN. y reuse. d over GSM satellite. architecture and explain it. ( (ηs) if the bandwidth is 684 Kbps	(5) (5) (5) (5) (5)
(b) (c) (d) (e) (22 (a) (b) (a) (b) (a) (a)	Explain basic requirements requirements requirements requirements of Explain the concept of Frequency Explain HLR and VLR. Explain why GEO is not preferred Draw the block diagram of PCS and Calculate the spectral efficiency	ired for establishing WLAN. y reuse. d over GSM satellite. architecture and explain it. (η <sub>8</sub> ) if the bandwidth is 684 Kbps	(5) (5) (5) (5) (5)
Q3 (a) (b) (c) (d) (d)	) Calculate the spectral efficiency	$(\eta_s)$ if the bandwidth is 684 Kbps	
(b		Mbps.	and <b>(6)</b>
	a) Compare advantages and di schemes. b) Compare 3G and 4G technology.		rsity (6.5) (6)
	a) Explain mobility management in b) Explain multipath propagation in		(6.5) (6)
		oit is 4.095ms, chip duration of processing gain and jamming m	( <b>6.5</b> ) a PN
	) What are the five IMT 2000 ted 2000.		(6.5)
07 (a)	) Draw and Explain WCDMA prote ) Explain the evolutionary path fr ) Write a note on Quality of Service	rom GSM to 3G.	(6) (6.5) (6)
Q8 (a) (b)	Explain Global Star System with Explain WLL architecture with i	h proper diagram. its block diagram.	(6.5) (6)
Q9 (a) (b)	Explain IRIDIUM System and co Compare GEO, MEO and LEO.	ompare it with Global Star System	n. (6.5 (6)