Printed Pages- 3	Roll No
32	2753(22)
`	Semester) Examination, il-May 2020
(O	ld Scheme)
(Computer Scie	ence and Engg. Branch)
CELLULAR &	MOBILE COMPUTING
Time Allo	wed : Three hours
Maxim	um Marks : 80
Minimum	Pass Marks: 28
Note : All questions a from 7 marks o	re compulsory. Attempt any two questions.
	Unit-I

What is multiplexing techniques?

DSSS.

Explain spread spectrum in context of FHSS and

Explain concepts of CDMA with its merits and demerits. 7 Explain the TDMA frame structure and derive the efficiency of TDMA system. 7 Unit-Ⅱ What is paging and two-way paging? 2 Define the protocol architecture of DECT. 7 Explain GSM architecture with suitable diagram. 7 Explain satelite networks in detail by including GEO, LEO & MEO. 7 **Unit-III** What are the advantages of WLANs? 2 Discuss the MAC layer in IEEE802.11. 7 Explain HIPERLAN & HIPERLAN1 in details. 7 Write short notes on bluetooth and frequency hopping. 7

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Unit-IV

4.	(a)	What are the requirements of mobile IP?	2
	(b)	Explain tunneling and encapsulation in mobile IP.	7
	(c)	Describe dynamic host configuration protocol with suitable diagram.	7
	(d)	What is mobile transport layer? Explain traditional TCP.	7
		Unit-V	
5.	(a)	Define term HTTP and WWW.	2
	(b)	State the requirements of WAP. Explain the layers of WAP.	7
	(c)	What is WML? What are the features of WML script over WML?	7
		script over wivie:	