Manarat International University (MIU)

Department of Computer Science and Engineering Mid-term Examination (Spring 2019) Cellular Mobile and Satellite Communication (CSE-472)

	Full Marks: 20 swer any 5 (Five) questions. All questions are of equal value.	Time: 1.5 Hour
1	a) Write down the differences between analog and digital communicationsb) What is <i>Shannon's sampling</i> theorem ?	? 4
2	a) Why do we need satellites?b) Define Retrograde Orbit, Descending Node.	2+2
2	a) Define cell frequency. Explain the concepts of frequency reusing in cellb) Why hexagon cell shape is highly recommended for cellular communication.	
4	a) Explain different types of multiple access techniques in cellular communityb) State Kepler's second law of satellite.	nications. 4
5	Explain the architecture GSM network in brief.	4
6	Elaborate the following acronyms IMEI, PSTN, MTSO, ISDN, EIR, MSU, SIM, BTS	0.5x8=4