BE (ETTC) SEM III (Old)/4/5may 2017 mobble comm. 545.

P4-RT-Exam.-Con No.-Feb.-13-31

Con. 8307-13.

(OLD COURSE)

GS-4354

(3 Hours)

[Total Marks: 100

(3) Ass	mpt any four questions out of remaining six questions. umptions made should be clearly stated. strate answers with sketches wherever required.	
Q. No. 1	 Attempt any four: a) How early mobile telephone system is different from cellular communication system? b) What are the different mobile identifiers? Explain c) Explain the difference between soft handoff and hard handoff. d) Explain large scale and small scale fading. e) Explain frequency reuse concept. 	[20]
•	Explain method of locating co-channel cells. Explain micro cell zone concept.	[10] [10]
Q. No. 3; a; b;		[10] [10]
	Explain free space propagation model. Explain the call processing in CDMA.	[10] [10]
Q. No. 5	5)	
a) b)	What is AMPS? Explain the call procedures in AMPS. Explain common control channels in GSM.	[10] [10]
	Sketch block diagram of forward CDMA channel modulation proces explain functions of each block. Explain open loop and closed loop power control.	s and [10] [10]
Q. No. 7)	Write short notes (Any two) i) Narrowband AMPS(N-AMPS)	[20]

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Antenna at cell site.

Co-channel interference and adjacent channel interference.