pulsorily draw diagonal cross lines on the remaining blank pages.

Fourth Semester MCA Degree Examination, June/July 2019 Mobile Computing and Wireless Communications

Time: 3 hrs.

BAL ORE

Max. Marks:100

Note: Answer any FIVE full questions.

ce.	1	a.	Explain the essential functional differences between 1st generation, 2nd generation	on and 3 rd
acti			generation of networks.	(06 Marks)
alpr		b.	Classify and explain the mobile computing applications.	(08 Marks)
m s		c.	Explain the design constraints for mobile computing.	(06 Marks)
ed a				
reat				
ses.	2	a.	Explain the call routing procedure in GSM network with an example.	(12 Marks)
pag vill		b.	Write the procedure of GSM frequency allocation.	(08 Marks)
lank 50, 1				
1g b				of CMC
inir 12+8	3	a.	Explain the concepts operator-centric pull and operator-independent push	01 SIVIS
ema			architecture.	(12 Marks)
he r		b.	Explain PDP context activation with respect to GPRS networks.	(08 Marks)
on t vritt				
nes	4		Explain the IS-95 architecture model in detail.	(12 Marks)
completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.	4	a.	Define Spread-Spectrum. Explain different spreading techniques.	(08 Marks)
cro		b.	Define Spread-Spectrum. Explain different spreading teeningues.	(001.202.202)
onal 1/or				
anc	5	a.	List and explain various phases in smart client development process.	(10 Marks)
w d ator	5	b.	Briefly explain the different wireless markup languages.	(10 Marks)
dra dalu		٠.		
orily to e				
eal	6	a.	Explain the GPRS generic applications and GPRS specific applications.	(10 Marks)
app		b.	Give an architectural overview of thin client for mobile internet applications.	(10 Marks)
s, c				
swer				
r ans	7	a.	What is push registry? Explain application activation sequence through push regis	stry. (10 Marks)
your f ide		1.	Fundain the CDC CLDC and MIDD configurations in 12MF	(10 Marks)
ng o		b.	Explain the CDC, CLDC and MIDP configurations in J2ME.	(10 Marks)
olet				
completing	8		Write a note on:	
On c Any	o	a.	Cell clusters in GSM	
		b.	2G versus 3G	
te:		C.	Device Emulators	
Š		d.	Markup languages.	(20 Marks)
Important Note : 1. 2.				
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