NTK/KW/15/7587 **Faculty of Engineering & Technology** Seventh Semester B.E. (Infor. Tech.) (C.B.S.) Examination Elective—I: MOBILE COMPUTING Time—Three Hours] [Maximum Marks—80 INSTRUCTIONS TO CANDIDATES (1) All questions carry marks as indicated. Solve Question No. 1 OR Question No. 2. Solve Question No. 3 OR Question No. 4. Solve Question No. 5 OR Question No. 6. Solve Question No. 7 OR Question No. 8. Solve Question No. 9 OR Question No. 10. Solve Question No. 11 OR Question No. 12. Assume suitable data wherever necessary. Illustrate your answers wherever necessary with the help of neat sketches. Explain cellular communication with its generations. 6

11. (a) Draw and explain in detail Android Architecture.

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(b) Write a short note on features of Android SDK. 5

OR

- Why is there need of Bound Services in Android? 12. (a) 7
 - (b) Explain various hardware tools used in Android. 7

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OR

(b) Explain GSM System Architecture.

Contd.

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2.	(a)	List and explain various examples of Wire Communication Systems.	reless	6.	(a)	Explain different types of wireless LAN.	6
		Communication Systems.	/	((b)	Explain mobility in wireless LAN.	7
	(b)	Explain Handover. Explain the different typ handover in GSM.	es of 7	7. ((a)	Explain Mobile Agents with its characteristics.	6
3.	(a)	What are the different tiers in three tier architec	ture ?	((b)	Explain the Aglet Object Model.	7
		Describe the functions of these tiers.	7			OR	
	(b)	Describe the significance of core, edge and a network. What are their functions ?	ccess 6	8.	(a)	What are the requirements for implementing Mo	bile 5
		OR		200	(b)	Explain architecture of Agent Tcl.	8
4.	(a)	Draw and explain the content architecture with reto mobile computing.	espect 6	601V ⁶ 9.	(a)	Describe the WAP protocol stack. What are functions of different layers in this protocol stack	
5.	(b)	What is content adaptation and transcoding? Cladifferent types of transcoding. What are the advantages and disadvantages of wi	18		(b)	What is WAP Push ? How is push different f pull ?	rom 6
3.	(a)	LAN ?	6			OR	
	(b)	Explain 802.11 architecture in detail.	7	10. ((a)	What is a WAP Gateway ? What are its function	ns ? 7
		OR		((b)	Explain in brief wireless Markup language. Also features of WML.	list 6
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