

CBCS SCHEME

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22SCS231

Second Semester M.Tech. Degree Examination, June/July 2023 Wireless Networks and Mobile Computing

Time: 3 hrs.

Max. Marks: 100

*Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks, L: Bloom's level, C: Course outcomes.*

Module – 1			M	L	C
Q.1	a.	What are the various tiers in three tier architecture? Describe the functions of each tier in detail.	12	L2	CO1
	b.	Explain how can an ISP implement a system using ICAP where some web sites are inaccessible during certain times of the day.	8	L2	CO1
OR					
Q.2	a.	How is content rating and filtering helpful in classifying content? What is the role of RSACI and PICS in classifying content?	8	L2	CO1
	b.	What is a content aware system? What all can be the types of information needed for developing a fully content aware system?	8	L2	CO1
	c.	Write a short note on client content manager.	4	L2	CO1
Module – 2					
Q.3	a.	Describe the IS-95 architecture in detail.	12	L2	CO1
	b.	Differentiate between GSM and 3G.	8	L2	CO2
OR					
Q.4	a.	Differentiate between Hard handoff, soft handoff and softer handoff.	5	L2	CO2
	b.	What is direct sequence spread spectrum technology? How does it work in CDMA technology?	10	L2	CO2
	c.	Explain the design constraints in applications for handheld devices.	5	L2	CO2
Module – 3					
Q.5	a.	Explain the smart client architecture with a neat diagram.	12	L2	CO1
	b.	Explain the palm OS architecture in detail.	8	L2	CO1
OR					
Q.6	a.	Explain the smart client application development process in detail.	12	L2	CO2
	b.	Explain the two ways of deployment of wireless applications.	8	L2	CO2
1 of 2					

Module – 4					
Q.7	a.	Explain thin client architecture with a neat diagram.	12	L2	CO1
	b.	Explain the process of processing a wireless request in detail.	8	L2	CO1
OR					
Q.8	a.	Explain the Wireless Application Protocol (WAP) stack both 1.x and 2.x and also WAP benefits.	12	L2	CO1
	b.	Write an HDML code for inventory search which includes three go links as search by Name, Search by SKV and Inventory list.	8	L2	CO2
Module – 5					
Q.9	a.	What is J2ME MIDP? Explain its various functional components.	4	L2	CO3
	b.	What is CLDC? How do you program for CLDC?	8	L2	CO3
	c.	What are the different security considerations in MIDP? Explain in detail.	8	L2	CO3
OR					
Q.10	a.	Explain MIDlet life cycle in detail.	8	L2	CO3
	b.	Discuss in detail about GUI in MIDP.	12	L2	CO3
