

KLS Gogte Institute of Technology, Belagavi

Program: B.E.

Academic Year: 2023-24 (ODD SEM)

Department: CSE

Semester: VII

Max. Marks: 25 marks

IA Test – II

Course Title: Mobile computing

Code: 21CS723

Duration: 1 Hr.

Date: 04-12-2024

Instructions:	1	Missing data, if any, may be suitable assumed.
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Q.No	PART A (Compulsory question)	[L]	[CO]	[PO]	[M]
1.	List & explain at-least 6-threats to wireless networks.	2	4	1	5
PART B (Answer any 1 questions)					
2.	Shivani wants to access his online banking account using his smartphone. To ensure secure data transmission, the bank's mobile app uses RC4 encryption. By analyzing the above scenario: i) Explain Confidentiality & Integrity with WEP 802.11. ii) Implement WEP Privacy & Integrity Using RC-04 Algorithm.	3	4	2	10
3.	Assume Susheel wants to check his bank account balance using his mobile phone. He opens his mobile browser and navigates to his bank's WAP site. By analyzing above scenario Construct Architecture of Wireless Application Service Model (WAP).	3	2	2	10
PART C (Answer any 1 question)					
4.	Let's say Rohan is the network administrator of a small business. He wants to secure the company's wireless LAN to prevent unauthorized access. Rohan decides to implement WEP security features to protect the network. By analyzing the above scenario i) Explain Shared key authentication process with a diagram. ii) Explain keying mechanism for the same.	4	2	2	10
5.	Construct neat diagram for Wireless Application protocol stack & identify the services for a) Wireless Datagram Protocols (WDP) b) Wireless Transport Layer Security (WTLS)	3	2	2	10

Sign with Date				
Faculty Members	Mod. Coordinator	PAC	IQAC	HOD