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Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam – 603 110

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Computer Science and Engineering

Continuous Assessment Test – III

Question Paper

Degree & Branch	B.E & Computer Science and Engineering				Semester	VII
Subject Code & Name	UCS1702 Mobile Computing				Regulation:	2018
Academic Year	2022-23 ODD	Batch	2019-23	Date	14.11.2022	FN
Time: 8.15 am to 9.45 am	Answer All Questions				Maximum: 50 Marks	

Part – A (6×2 = 12 Marks)

KL2	1. Give four examples of Mobile OS.	CO5
KL2	2. What are the main elements of UMTS?	CO4
KL2	3. What is native APP?	CO5
KL2	4. Explain WURFL?	CO5
KL2	5. What is m-Dot in mobile web?	CO4
KL2	6. What is hardware Abstraction Layer?	CO5

Part – B (3×6 = 18 Marks)

KL3	7. Compare Mobile Web vs Native App Vs Hybrid.	CO5
KL3	8. Identify the steps involved in developing the calculator application using Android SDK.	CO5
KL3	9. Differentiate various mobile platform based on user preferences and features	CO5

Part – C (2×10 = 20 Marks)

KL3	10. Summarize the main features and architecture of third generation mobile phone systems. How do they achieve higher capacities and higher data rates?	CO4
(OR)		
KL3	11. Identify and explain type of handover when FDMA and TDMA is applied on third generation mobile phone systems. Explain the various handover schemes in UMTS.	CO4

KL2	12. Explain in detail about iOS protocol stack.	CO5
(OR)		
KL2	13. Explain in detail about Android protocol stack	CO5

Prepared By	Reviewed By	Approved By
Course Coordinator	PAC Team	HOD