

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B. Tech Mid Semester Exam

Semester: 6th
 Subject Code: 203105219
 Subject Name: Mobile Application Security

Date: 31/01/2024
 Time: 2:30 to 4:00 PM
 Total Marks: 40

Sr. no.		Marks
Q.1	(A) One liner Questions:	05
	1. Who is the founder of Android?	
	2. In which year was the first version of Android released?	
	3. What was the codename of the first Android version?	
	4. When was the first version of iOS released?	
	5. On which device the first version of iOS released?	
		05
	1. ART is Stands for _____.	
	2. The _____ (hardware/software) layer includes components such as the processor, memory, storage, camera, and sensors.	
	3. _____ isolates each app's execution environment, preventing unauthorized access to system resources.	
	4. _____ in iOS involves digitally signing app binaries using certificates.	
	5. The _____ in iOS plays a crucial role in storing and processing sensitive information, such as biometric data for Touch ID or Face ID.	
Q.2	Attempt any four (Short Questions)	12
	(1) How does the Android application sandboxing contribute to security?	
	(2) Explain the concept of permission in Android.	
	(3) What is the significance of the Android Keystore system?	
	(4) What is jailbreaking, and why is it considered a security risk?	
	(5) Explain the significance of the Android system libraries.	
Q.3	Attempt any two questions	08
	(1) Explain the basic components of Android architecture.	
	(2) Explain the concept of App Sandbox in iOS.	
	(3) Explain the structure of an IPA file.	
Q.4	(A) Describe the Android application framework.	05
	(B) Describe the iOS file system hierarchy.	05
	OR	
	(B) Explain the architecture of an iOS device, including the roles of hardware and software components.	05