

* Important Ques for Mobile Security and Forensics *

Q.1) What is ADB Command? Explain 5 ADB Commands in detail. (Mid-sem) → (5M)

OR
+ Write the ADB commands → (5M)

What is ADB? Write five adb command and their functionalities. → (8M)

OR
What is ADB? Explain ~~the~~ any five ADB Commands.

Q.2) What is Application Permission? Explain different types of Application permission protection level. (Mid-sem) → (5M)

OR
What is application permission? Discuss different types of Application permission → (8M)

OR
What is application permission? List types of permission. Write a step to request permission. → (8M)

Q.3) What is Pen-testing? Explain different strategies for Pen-Testing. → (Mid sem) → (5M)

OR
What is penetration testing? Explain the types of Penetration testing. (8M)

OR
Explain Mobile Application Security Pen-Testing Strategy?

~~Q.4~~

Q.4) What is Secure Inter Process Communication? (Midsem) → (5M)

OR
Explain inter-process communication of android applications. (8M) (PYQ) 2022

Q.5) Explain Android File systems in detail. (Midsem) → (5M)

OR
Discuss the different types and sub types of android file systems. (8M) (PYQ) (2024)

Q.6) Discuss Android Boot Process. Explain the steps involved in the boot process. (Midsem) → (5M)

OR
Explain Android Boot Process in Detail? → (7M) (2022-PYQ)

OR
Explain the android boot sequence. Also list out the different partitions of android. (8M) (2024-PYQ)

Q.7) Use a pictorial representation to describe the android architecture. → (Midsem) (5M)
OR

Explain the android application architecture? (7M) → (2022_PYQ).
OR

What is Android. Explain the architecture of Android with the help of a diagram. → (5M) (Ta1)

OR
Explain the different layers of Android architecture in detail → (2024_PYQ_TA1)

OR
What are the different layers of android architecture? Explain each of them. → (8M) → (2024_PYQ)

Q.8) Explain the OWASP top 10 vulnerabilities for Mobiles? (8M) (Midsem)
★ OR

Explain OWASP Top-10 vulnerabilities for Mobile? (8M) - (PYQ-2022)

Explain OWASP top-10 vulnerabilities for Mobile. (5M) → (Ta1)

Q.9) What is Hexdump? Explain the important features of Hexdump. (8M) (Midsem)

OR ★
Explain the following (i) Hexdump → (Imp)
ii) Dexdump (7M) (PYQ-2024)

Q.10/ Explain the difference between DALVIK and SMALI. (7M) (Mid-sem)

OR

What is smali? Why is important in reverse engineering? (7M) (PYQ-2024)

Q.11/ What is reverse engineering? What are the steps involved in reverse engineering of a Software. (7M) (Mid sem)

OR

Write short notes on reverse engineering in android applications? (5M) (2022-PYQ)

OR

What is reverse engineering? How it is important for mobile security? (7M) (PYQ-2024)

↑ End of Comparing Mid-sem, Tat and PYQs.

Q.11/ ~~Android~~ Explain Android Manifest file with example? (5M) (PYQ-2022)

OR

What is AndroidManifest.xml file? What types of information is there in this file? (8M) (PYQ-2024)

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*Q.12/ Explain MobSF (Mobile Security Framework) in detail? (7M) (PYQ-2022)

Imp for myself

Q.13) Explain the Android application security vulnerability assessment using CPARK?
(7M) (PYQ-2022)