

# **Android Development - Theory Questions and Answers**

**1. Discuss the Mobile ecosystem in detail with suitable diagram.**

Answer:

(Detailed explanation to be added here...)

**2. Android virtual machine and Dalvik Virtual Machine.**

Answer:

(Detailed explanation to be added here...)

**3. What is mobile information architecture? Explain its types with suitable diagram.**

Answer:

(Detailed explanation to be added here...)

**4. Explain the layered architecture of android with suitable diagram.**

Answer:

(Detailed explanation to be added here...)

**5. What are embedded systems? Discuss its design process.**

Answer:

(Detailed explanation to be added here...)

**6. Differentiate embedded systems with general computing systems.**

Answer:

(Detailed explanation to be added here...)

**7. What is activity life cycle in android systems? Discuss its phases with suitable diagram and code.**

Answer:

(Detailed explanation to be added here...)

**8. Write a simple code (comprising both java and xml files) to design a calculator in android with suitable diagram.**

Answer:

(Detailed explanation to be added here...)

**9. What are listeners in android? Explain listeners with a suitable code snippet.**

Answer:

(Detailed explanation to be added here...)

**10. What is Toast in android? Discuss it with a suitable code snippet.**

Answer:

(Detailed explanation to be added here...)

**11. What are different menus provided by android? Discuss each with suitable code snippet and diagram.**

Answer:

(Detailed explanation to be added here...)

**12. Write a code for change screen app.**

Answer:

(Detailed explanation to be added here...)

**13. Types of Menus and their implementation.**

Answer:

(Detailed explanation to be added here...)

**14. What is a layout in android? Write a simple code snippet for the following:**

**1. Linear Layout**

**2. Horizontal Layout**

**3. Table Layout**

**4. Frame Layout**

**5. Constraint Layout**

**6. Relative Layout**

Answer:

(Detailed explanation to be added here...)

**15. Create a login form using relative layout.**

Answer:

(Detailed explanation to be added here...)

**16. Use of spinner in android with example.**

Answer:

(Detailed explanation to be added here...)

**17. Sending and receiving messages in android.**

Answer:

(Detailed explanation to be added here...)

**18. Intent and its types (implicit and explicit).**

Answer:

(Detailed explanation to be added here...)

**19. Code for zoom in , zoom out, scroll in scroll out.**

Answer:

(Detailed explanation to be added here...)

**20. Fragment life cycle.**

Answer:

(Detailed explanation to be added here...)

**21. Significance of SQLite in android.**

Answer:

(Detailed explanation to be added here...)

**22. Types of UI.**

Answer:

(Detailed explanation to be added here...)

**23. Invoking one activity inside other using intent.**

Answer:

(Detailed explanation to be added here...)

**24. Write a code for Accelerometer.**

Answer:

(Detailed explanation to be added here...)

**25. Use of onCreate(), onUpgrade() in SQLiteOpenHelper class.**

Answer:

(Detailed explanation to be added here...)

**26. Content providers in SQLite.**

Answer:

(Detailed explanation to be added here...)

**27. Mobile strategies or architectures and their selection criteria.**

Answer:

(Detailed explanation to be added here...)