

**2211000608030002**  
**EXAMINATION MARCH-APRIL 2024**  
**MASTER OF SCIENCE (IT) (EIGHTH SEMESTER)**  
**SMART DEVICE COMPUTING USING**  
**ANDROID-LEVEL 3**

[Time: As Per Schedule]

[Max. Marks:70]

**Instructions:**

**1. Fill up strictly the following details on your answer book**

- a. Name of the Examination : **MASTER OF SCIENCE (IT) (EIGHTH SEMESTER)**
  - b. Name of the Subject : **SMART DEVICE COMPUTING USING ANDROID-LEVEL 3**
  - c. Subject Code No : **2211000608030002**
2. Sketch neat and labelled diagram wherever necessary.  
3. Figures to the right indicate full marks of the question.  
4. All questions are compulsory.

Seat No:

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Student's Signature

**Q.1 Answer the following (Any Two)**

**14**

1. Define Activity. Explain with proper code segment - How data can be passed and returned from various Activities in Android application.
2. Explain Web view.
3. Write a code to capture the image and how to use it somewhere else.

**Q.2 Answer the following (Any Two)**

**14**

1. What is content provider? Step-by-step explain, how to access data from content provider.
2. What is SQLite? Write Android code to perform insert and delete operations.
3. Write code to store Edit Text data into text file on external storage.

**Q.3 Answer the following (Any Two)**

**14**

1. Explain usage of Broadcast Receiver in Android with proper example.
2. What is service? Explain bounded service with example.
3. Explain Geocoding and reverse geocoding with appropriate example.

**Q.4 Answer the following:**

**14**

1. Explain how we can play audio in Android with example. Also explain managing the state while playing audio.
2. What is Animation? Explain any one Animation type with example.

**Q.5 Answer the following: (Any Two)**

**14**

1. With appropriate example and code snippet, explain web service call.
2. Explain creating and updating push notification.
3. Discuss how to discover Bluetooth devices using proper code.

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