

2211000105010003

Third Year B.C.A. (Sem –V)

Examination March- 2023

Advanced Mobile Computing

Seat No:

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[Time: Three Hours]

[Max. Marks:70]

- Instructions:**
1. All questions are compulsory.
 2. Figure to the right indicate full marks.
 3. Mention your options clearly.

Student's Signature

Q.1 Answer the following question (Any Seven) 14

- 1) What are the different visibility modifier in Kotlin?
- 2) Discuss break and continue.
- 3) What is properties in Kotlin?
- 4) What is Getter?
- 5) Why call back method is needed?
- 6) Discuss logcat.
- 7) Give the advantage is JSON.
- 8) How to transfer data from one activity to another activity?
- 9) What is SQLiteOpenHelper?
- 10) Which class is used for Google map services?

Q.2 Attempt Following Questions [Any Two] 14

- 1) What is array in Kotlin? How to create, modify and access array?
- 2) Explain for loop and while loop of Kotlin.
- 3) Explain Kotlin string. Also discuss Nullable variable.

Q.3 Attempt Following Questions in detail [Any Two] 14

- 1) What is constructor? How to create constructor in Kotlin?
- 2) Discuss Inheritance in detail.
- 3) Explain abstract class in detail.

Q.4 Attempt Following Questions [Any Two] 14

- 1) Write a short note on constraint layout.
- 2) How to logging in activity lifecycle? Discuss in detail.
- 3) Discuss JSON Object in detail.

Q.5 Write a Short Note on the following [Any Two] 14

- 1) Explain JSON features in detail. Also discuss difference between JSON and XML.
- 2) Give the steps to create, insert and delete data in SQLite Database.
- 3) How to access user's current location in android. Discuss in detail.