

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Tech. (CSE) (Sem-6)**

## MOBILE APPLICATION DEVELOPMENT

**Subject Code : BTCS-620-18**

**M.Code : 79258**

**Date of Examination : 19-06-2023**

**Time : 3 Hrs.**

**Max. Marks : 60**

**INSTRUCTIONS TO CANDIDATES :**

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

## SECTION-A

1. **Write briefly :**
  - a) Android SDK
  - b) System permissions
  - c) Mobile platforms
  - d) Intents
  - e) Text-to-Speech techniques
  - f) Sync Task
  - g) SQLite
  - h) Android user
  - i) Multithreading
  - j) Mobile apps Testing.

### SECTION-B

2. Describe about the Android development environment with suitable examples.
3. Describe different types of Android user interface controls.
4. Explain briefly about the mobile software engineering with framework and tools.
5. Discuss important characteristics of mobile applications.
6. How broadcast and telephony APIs are used in Android studio?

### SECTION-C

7. Describe Service in mobile apps giving its states and lifecycle.
8. **Define the following terms :**
  - a) Shared preferences
  - b) VUI
  - c) Peer-To-Peer Architecture
  - d) Mobile Agents.
9.
  - a) Explain myths of security and hacking of Android application with a suitable example.
  - b) Explain about active transactions in Android series. How data will be secured while transacting data?

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**