

**Roll No.**

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**Master of Computer Application (Sem.-3)**  
**MOBILE APPLICATIONS DEVELOPMENT**

**Subject Code : PGCA-1933**

**M.Code : 90805**

**Date of Examination : 02-01-23**

**Time : 3 Hrs.**

**Max. Marks : 70**

### INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C have FOUR questions each.
3. Attempt any FIVE questions from SECTION B & C carrying TEN marks each.
4. Select atleast TWO questions from SECTION - B & C.

## SECTION-A

- 1. Write briefly :**
- a) Give an example of event handling in Android.
  - b) What are the characteristics of Mobile applications?
  - c) What do you mean by Naive data handling?
  - d) What is the need of testing a mobile application?
  - e) Which are the layout types provided by Android?
  - f) List the steps to deploy mobile applications developed on Android platform.
  - g) List the types of commonly designed profiles for mobile devices.
  - h) What do you mean by Open platforms as mobile operation system?
  - i) Name some programming languages used to develop iOS applications.
  - j) How does memory management happen in Android programming?

## SECTION-B

2. List and explain the features of various frameworks and tools available for mobile application development.
3. Discuss the basic components of the user interface while designing the mobile application using suitable example.
4. Explain the steps to design a functionality based user interface for a mobile application to explore and buy old books from local vendors. Assume suitable features of the mobile application.
5. What is the role of debugging in mobile application development? Explain various techniques used for test automation in detail.

## SECTION-C

6. Discuss the core elements and its features available in Android studio for mobile application development in detail.
7. Illustrate the steps used for basic and advanced iPhone styling with suitable example.
8. What are various operating systems used in mobile devices? Select any one commonly used mobile operating system and discuss its features, advantages and disadvantages.
9. Write short notes on:
  - a. Views and Perspectives in Android
  - b. BlackBerry: Mobile Operating System

**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.**