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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 : 20-12-2023

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. Answer briefly :

- a) What are different frameworks for mobile application development?
- b) Which tools are used for mobile application development?
- c) What is a user interface and why is it required?
- d) Define naive data handling and its benefits.
- e) Mention various testing strategies employed for testing of mobile applications.
- f) Enlist features of Android operating system.
- g) What are the important components of an Android application?
- h) Draw a diagram to show iOS layers and its architecture.
- i) Define event handling and its use in IOS development environment.
- j) Differentiate between graphics services and layer animation.

SECTION-B

2. What are important building blocks of mobile applications? Describe functions of each.
3. Describe the components of an application model and discuss profiles of mobile devices.
4. Outline the major elements of a user interface. What is functionality-based user interface?
5. Discuss the test automation of applications and explain any two testing strategies in detail.

SECTION-C

6. Discuss the Android software development using Eclipse along with detailed explanation of view, view groups, view attributes and their usage.
7. Describe the features of iOS development environment, layers in detail and its progression towards advanced iPhone styling.
8. Describe various aspects of mobile operating systems and justify their need explaining essential features of open platforms.
9. Write short notes on the following in the context of Android programming :
 - a) Communication Protocols
 - b) Memory Management.

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.