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Total No. of Pages : 02

Total No. of Questions : 07

BCA (Sem-6)
ANDROID PROGRAMMING
Subject Code : UGCA-1943
M.Code : 91681
Date of Examination : 29-05-2023

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 **SIX** questions carrying **TEN** marks each and students have to attempt any **FOUR** questions.

SECTION-A

1. Answer the following :

- a) List some features of Android operating system.
- b) What content the values folder contains in the directory structure of an android project?
- c) What is the use of Spinner View in Android?
- d) List the attributes specified by activity element of AndroidManifest.xml file.
- e) Give an example to use on Create() method.
- f) List various components of a User Interface of an android project.
- g) What are the four essential activity states during lifecycle of an android app?
- h) Mention some key design principles for a mobile application development.
- i) What do you mean by "Modifiability" in mobile applications?
- j) What is Android Emulator?

SECTION-B

2. List and explain some commonly used layouts in Android with suitable examples.
3. Explain various components of the android architecture with neat diagram.
4. List and explain the steps to develop an android application using DatePicker widget.
5. What is the advantage of integrating cloud services for Android application development? Explain the integration process in detail.
6.
 - a) List and discuss various testing methodologies used for mobile applications.
 - b) Explain Mobile Software Engineering phases for mobile applications in detail.
7. **Write short notes on:**
 - a) Leveraging Android XML
 - b) Security issues in mobile applications.

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