

MORNING

28 DEC 2022

[Total No. of Questions: 09]

[Total No. of Pages: 2]

Uni. Roll No.

Program: B.Tech. (Batch 2018 onward)

Semester: 7

Name of Subject: Mobile Application Development

Subject Code: PEIT-116

Paper ID: 17414

Scientific calculator is Not Allowed

Detail of allowed codes/charts/tables : No need

Time Allowed: 03 Hours

Max. Marks: 60

NOTE:

- 1) Parts A and B are compulsory
- 2) Part-C has Two Questions Q8 and Q9. Both are compulsory, but with internal choice
- 3) Any missing data may be assumed appropriately

Part – A

[Marks: 02 each]

Q1.

1. a) Discuss Error elimination using XML Editor.
- b) List various Types of Mobile applications.
- c) List Advantage of Android over other development environment.
- d) which layout is used if you want to add UI in row-wise? Discuss.
- e) What is the function of SQLite content provider in mobile application?
- f) Create a multi-threaded Android app without using the Thread class?

Part – B

[Marks: 04 each]

2. How does Eclipse provide debugging tools that make it easier for developers to walk through their code interactively.
3. A user requirement is to create an application when the user clicks the button the content will be changed. How?
4. What will be used if the user wants to communicate between more than one activities? Write with example.
5. Where can you define the icon for your activity? What is XML Namespace with an example? Write the rules of XML elements.

6. What are the seven lifecycle methods of Android activity and what is their purpose?
7. Difference between the View class and the View Group class. Give an example.

Part – C**[Marks: 12 each]**

8. How to Request permissions, Creating custom Permissions and Securing application for publication and execution.

OR

What is fragmentation in android? Elaborate any technique that one can use to avoid it. Also provide some idea on how to prevent memory leaks in your app.

9. How to kill a running activity from another programmatically on button click? Also implement two actions using intents namely calling a phone number and opening a URL.

OR

Android studio having a tool that helps you to identify the problems and find wherein the source code the problem is created, name the tool. Name the another name of Logcat. Discuss.
