

EVENING

[Total No. of Questions: 09]

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Uni. Roll No.

Program: B.Tech. (Batch 2018 onward)

Semester: 8th

Name of Subject: Mobile Application Development

Subject Code: PECS-130

Paper ID: 17739

Scientific calculator is Not Allowed

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.

- a) Define the following terms:
 - (i) Android Platform
 - (ii) Android SDK
- b) Identify the process, if a user wants to communicate between more than 1 activities.
- c) What is the role of Xcode in mobile application development.
- d) What is Android API. How do developers use them.
- e) There is a need of business drivers for mobile applications. Justify this statement with examples.
- f) Distinguish between android preference and shared preference.

Part – B

[Marks: 04 each]

- Q2.** Name the process which helps in sharing of data between applications. Describe its working along with an example.
- Q3.** Compare & contrast Constraint layout and Linear layout.

- Q4. Explain the working of Android system architecture.
- Q5. Discuss the Anatomy of android application.
- Q6. Determine the android component which is used for designing the layouts of an application. List some of the android UI controls.
- Q7. List the uses of the following android terminologies: Gradle, Wakelock ,Broadcast Receiver , Fragment

Part – C**[Marks: 12 each]**

- Q8. Compare and contrast various features of iOS with Android phones.

OR

Develop an SQLite database to show storage of data. Create a simple application to add data in SQLite database. Mention the reasons to choose SQLite for any project.

- Q9. Assume yourself as an “Android Developer” who wants to launch an application on Google Playstore. As a developer, you need to develop an application, prepare it for release and publish the application for the users to directly use it.

OR

Discuss the steps involved to design an application on android studio in detail. Mention the process involved in creation of an android virtual device for displaying the results on screen.
