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Uni. Roll No. …………….

Program: B.Tech.

Semester: 7,8 / (2014)

Name of Subject: Mobile Application Development

Subject Code: DEIT-14711

Paper ID: 15776

Time Allowed: 02 Hours   **Max. Marks: 60**

NOTE:

23-06-21(M)

1) Each question is of 10 marks.

2) Attempt any six questions out of nine

3) Any missing data may be assumed appropriately

Q1.   a) 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.

b) What will be used if the user wants to communicate between more than one activities? Write with example.

Q2.   a) List the strategies you should follow for developing a mobile.

b) Write which layout is used if you want to add UI in row-wise? Discuss.

Q3.   a) Create a multi-threaded Android app without using the Thread class?

b) Create a database in SQLite ? Perform Insertion, Deletion, and updation operations.

Q4.   a) Discuss fragment life cycle?

b) Discuss the following code. Where we write the following code?

 <intent-filter>

 <data android:mimeType="video/mp4" android:scheme="http" />

 <data android:mimeType="audio/mp3" android:scheme="http" />

 </intent-filter>

Q5.   a) Constraint Layout and Linear Layout both are similar. Comment.

b) To retrieve data from the database, which command is used? Write an example.

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Q6. a) Generalize the symbols V, D, I, W, and E used in the toolbar?

b) A user requirement is to create an application when the user clicks the button the content will be changed. How?

Q7. a) i) ____ will be used for broadcasting the messages.

ii) ____ is used to store multiple records in Android.

iii) ____ is used to detect errors.

iv) ____ represent a behavior or a portion of user interface in an Activity.

v) Who plays the role of messages wiring components together?

b) Consider an application that has a login page consisting of two Fields (say username and password). If both are true it will lead us to a page that displays the username field which we entered before. In this case, we use explicit intents because we need to change the activities and to carry data from one activity to the other activity(username field) in the same application.

Q8. a) List the Types of Mobile applications.

b) Explain the Mobile ecosystem.

Q9. a) State XML styles, colors, referencing.

b) Compare View group and View class.

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