DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Regular Summer 2024

Course: B. Tech. Branch : Electronics Computer Engg./ Electronics Computer Science Engg.

Subject Code & Name: BTECOE604C   Android Programming   **Semester : VI**

Max Marks: 60   **Date: 21/06/2024**   **Duration: 3 Hr.**

Instructions to the Students:
1. *All the questions are compulsory.*
2. *The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in ( ) in front of the question.*
3. *Use of non-programmable scientific calculators is allowed.*
4. *Assume suitable data wherever necessary and mention it clearly.*

		(Level)	Marks
Q. 1	**Solve Any Two of the following.**		**12**
A)	Describe components included in the Android SDK to facilitate app development?	*Level 2*	**6**
B)	What is the purpose of the application framework layer in Android?	*Level 1*	**6**
C)	What is the Android Virtual Device (AVD) and how is it used in testing?	*Level 4*	**6**
Q.2	**Solve Any Two of the following.**		**12**
A)	What are the key methods in the Activity life cycle and their roles?	*Level 4*	**6**
B)	Compare different types of layouts available in Android.	*Level 4*	**6**
C)	Describe the process of integrating fragments into an Android application.	*Level 3*	**6**
Q. 3	**Solve Any Two of the following.**		**12**
A)	Describe the difference between explicit and implicit intents with examples of each.	*Level 1*	**6**
B)	How can you save application data in external and internal memory in Android?	*Level 5*	**6**
C)	Describe types of dialogs available in Android, and when should each be used?	*Level 4*	**6**
Q.4	**Solve Any Two of the following.**		**12**
A)	How SQLiteOpenHelper class help in creating and managing an SQLite database?	*Level 1*	**6**
B)	Describe how to perform insert, update, and delete operations in SQLite database.	*Level 2*	**6**
C)	What is Firebase, and what are its main features for Android development?	*Level 3*	**6**
Q. 5	**Solve Any Two of the following.**		**12**
A)	Describe how to monitor incoming and outgoing calls in an Android application.	*Level 2*	**6**
B)	How to customize the appearance of a Google Map in an Android application?	*Level 3*	**6**
C)	Describe how to enable or disable Wi-Fi programmatically in an Android application.	*Level 2*	**6**

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