JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA IV Semester Examinations, July/August - 2021
MOBILE APPLICATION DEVELOPMENT

Time: 3 Hours   Max.Marks:75

Answer any five questions
All questions carry equal marks
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1.   What are the challenges of android application developments and how to mitigate them?   [15]

2.   Explain in detail about all the android application components.   [15]

3.   Create an android activity that displays a dialog box which contains a progress bar that shows a file downloading percentage. Time duration of file download is 30 seconds.
                                                                                                               [15]

4.   Develop a simple calculator application using table layout.   [15]

5.   Explain the step-by-step procedure with a simple program for creating and displaying notifications in android.   [15]

6.   Explain with the help of a program how you can send and receive SMS from your application without using built-in SMS of android.   [15]

7.   How do you create, save, retrieve and clear data using shared preferences? Explain.
                                                                                                               [15]

8.   Build a GUI for Student table with 5 records, write queries to add delete and view the records from the SQLite databases.   [15]

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