R18

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, July/August - 2022
MOBILE APPLICATION DEVELOPMENT
(Common to CE, ME, ECE)

Time: 3 Hours   **Max.Marks:75**

Answer any five questions
All questions carry equal marks
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1.a) Explain the features of Android operating system.
  b) Describe the types of Android applications.   [8+7]

2.a) With an example XML file, explain the externalization of resources.
  b) Explain the Android manifest file.   [8+7]

3.a) Explain the device and pixel density independent measuring unit.
  b) Explain with a suitable example, how radio buttons can be used in android applications.
                                                                             [7+8]

4.a) Explain the lifecycle of fragments in Android programming.
  b) Describe how interfacing is done between fragments and activities.   [7+8]

5.a) Explain how intents are used to send SMS.
  b) Write a snippet to transfer the data from one activity to another activity with possible validation.   [7+8]

6.a) To service implicit intents, how are intent filters used.
  b) What is intent resolution? How Android resolves intent filters?   [7+8]

7. How are shared preferences used for the creation, saving and retrieving of data? Explain in detail.   [15]

8.a) Explain creating and opening a database in Android.
  b) Describe the registration of content providers.   [8+7]

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