

Code No: 156BW**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, August/September - 2021****MOBILE APPLICATION DEVELOPMENT****(Common to CSE, IT)****Time: 3 Hours****Max. Marks: 75**

Answer any five questions
All questions carry equal marks

- - -

1. What is Android Virtual Device? How to create Android Virtual Device? Discuss about various types of android applications. [15]
2. Construct activity life cycle with a neat diagram. Also explain the different callback methods used in activity life cycle with coding snippet. [15]
3. What is spinner? How to create the spinner and it's adapter in android? Discuss with an example. [15]
4. What are fragment states? Determine how to remove and replace fragments with fragment transactions. [15]
- 5.a) Determine how intents are used in Native Android applications to launch Activities and sub-Activities?
b) What is Pending Intents? Identify the Usage of Intent Filters to Service Implicit Intents. [8+7]
6. Discuss in detail about creating and displaying notifications. [15]
7. How to create, save, restore and clear shared preferences? Explain with example. [15]
- 8.a) How to implement SQLite database? Explain with an example.
b) Build a skeleton content provider implementation by using SQLiteOpenHelper to manage the database. [7+8]

---ooOoo---