

**R19**

**Code No: 864AB**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**MCA IV Semester Examinations, March/April - 2022**

**MOBILE APPLICATION DEVELOPMENT**

**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.
- b) What is SDK? Explain in detail. [8+7]
2. Write code to create activity in Android and explain how to state change in activity of Android. [15]
3. What is fragment in Android? Explain its life cycle. [15]
4. Create user interface in Android and handle button events. [15]
5. What is intent? Explain implicit and explicit intents and write code to send SMS using intent. [15]
6. Explain the steps to create notification in Android and illustrate with an example. [15]
7. What shared preference and explain how data is retrieved and saved into shared preference. [15]
8. Describe SQLite open helper class and explain how data is deleted from SQLite using Android. [15]

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