

Code No: 874AB**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA IV Semester Examinations, September/October - 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 about the Android operating system features.
b) List and explain attributes of Android manifest file. [8+7]
- 2.a) Write about the role of Android SDK Manager.
b) Explain the Android activity life cycle. [8+7]
- 3.a) What is fragment? Explain its use.
b) Write the steps to add fragment to Android activity. [7+8]
- 4.a) Write about an Android program to create Table layout.
b) Demonstrate the Spinner class with an example code. [7+8]
- 5.a) Design Android intent for sending SMS.
b) Write steps to display notification in Android. [8+7]
- 6.a) Explain the procedure to listening for broadcast with broadcast receiver.
b) Write about the Android code to get data from activity. [8+7]
- 7.a) What is shared preference? Create shared preference in Android.
b) Explain the procedure to read data from file in Android. [8+7]
- 8.a) Describe SQLite open Helper class.
b) Discuss about insert data in Content Provider in Android. [7+8]

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