

R15

Code No: 825AA

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**MCA V Semester Examinations, February - 2022****ANDROID APPLICATION DEVELOPMENT****Time: 3 Hours****Max. Marks: 75**

Answer any Five Questions
All Questions Carry Equal Marks

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1. Android is made up of several necessary and dependent parts. Briefly discuss the elements in Android software stack. [15]
- 2.a) Explain the building blocks of all Android applications.
b) Discuss about types of Android applications. [8+7]
3. Discuss the commonly used layout classes in android applications. [15]
- 4.a) Write skeleton code to show the stubs for the lifecycle handlers available in a Fragment.
b) Discuss about fragment status. [8+7]
5. Explain how Native Android applications use Intents to launch Activities and sub-Activities. [15]
6. Write code to implement a Broadcast Receiver that extracts the data and several extras from the broadcast Intent and uses them to start a new Activity. [15]
7. How to query Content Providers asynchronously to ensure application remains responsive? Explain with an example. [15]
8. "Alarms are particularly powerful when used in combination with broadcast receivers". Support or oppose this statement with necessary examples. [15]

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