

(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 2012273

Roll No.

**B.TECH.**

Regular Theory Examination (Odd Sem-VII), 2016-17

**ANDROID OPERATING SYSTEM**

Time : 3 Hours

Max. Marks : 100

**Section - A**

1. Answer all parts. All parts carry equal marks. Write answer of each part in short. (10×2=20)
- Compare android OS with IOS.
  - What are the four states in Android Activity Life Cycle?
  - Write down the code for a simple vertical layout with a textview and button.
  - Give the anatomy of an Android application.
  - List the limitations while designing a widget.
  - How an event is handled in android?
  - Identify the methods used in controlling audio and video.
  - State the appropriate method used for scanning wireless networks.

- List the three types of XML parsers provided by android.
- Mention the usage of On Touch Event() Method.

**Section - B**

**Note: Attempt any five questions from this section (5×10=50)**

- How the resources are organized in Android? Write the code for accessing the resource.
- Explain in detail about Android Layouts. List out the attributes of layout.
- Write the code for creating an application which is used to send a custom Broadcast intent.
- How to launch the existing camera application to capture an image and display the result in the form of bitmap?
- Create a simple application that connects to the network and perform the network operations.
- How to parse XML data in Android?

**Section - C**

**Note: Attempt any two questions from this section. (2×15=30)**

- Write a code for creating a tab layout to show different screen for each tab. Create three tabs and set different images and screens for each tab.

**NCS - 075**

**OR**

- i) How to open the camera and take the pictures programmatically?
  - ii) Create an application to capture the photo through the front camera and save it in SD card
- 9.**
- i) Write short notes on multi touch gestures.
  - ii) How to send an email to the client from our application?

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