Printed Pages : 2 Paper Code:NCS075

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

**PAPER ID :-1051 Roll No.** | | | | | | | | | |

# B.Tech
## (Odd Sem.-VII) Theory Examination 2017-18
## (Android Operating System)

*Time:3 Hours* *Total Marks:100*

**Note:** Attempt all Sections. If require any missing data; then choose suitably.

### SECTION – A

**1. Attempt *all* questions in brief.** **2 x 10 = 20**

a. Name the multiple facets of multimedia. Mention its advantages.
b. How a typical HTTP request looks like?
c. Write short note on XML parsing.
d. Why we need Android Adapter?
e. Explain the static and dynamic elements of multimedia.
f. What are the four states in Android Activity Life Cycle ?
g. How an Event is handled in Android ?
h. Mention the Usage of On Touch Event() Method.
i. Write down the code for a simple vertical layout with a textview and button.
j. Compare Android OS with IOS.

### SECTION – B

**2. Attempt any *three* of the following:** **10 x 3 = 30**

a. What are the various different types of topologies, explain with example.
b. Explain the in-app mechanism for playing audio and video.
c. How will you calculate the distance between two points?
d. How the resources are organized in Android ? Write the Code for Accessing the resources.
e. How to parse XML data in Android ?

### SECTION – C

**3. Attempt any one part of the following:** **10 x 1 = 10**

a. Explain in detail about Android Layouts. List out the Attributes of Layout.
b. Describe the role of **Delvik Virtual Machine.**

https://quescol.com | Free PYQs, Solutions, Syllabus, Notes etc

**4. Attempt any one part of the following:** **10 x 1 = 10**

a. How to launch the existing camera application to capture an Image and Display the result in the form of Bitmap ?

b. Describe the Android Architecture and difference between android architecture and android stack.

**5. Attempt any one part of the following:** **10 x 1 = 10**

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

b. Define style and theme. How are they applied to an activity?

**6. Attempt any one part of the following:** **10 x 1 = 10**

a. Create a simple application that connects to the network and perform the network operations.

b. Discuss the following:
a) Preference Fragment
b) Relative Layout

**7. Attempt any one part of the following:** **10 x 1 = 10**

a. i) Write short notes on multi-touch gestures.
ii) How to send an email to the client from our application ?

b. Write the code for creating an application which is used to send a custom Broadcast intent.

https://quescol.com | Free PYQs, Solutions, Syllabus, Notes etc