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(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)

a) Compare android OS with IOS.

b) What are the four states in Android Activity Life Cycle?

c) Write down the code for a simple vertical layout with a textview and button.

d) Give the anatomy of an Android application.

e) List the limitations while designing a widget.

f) How an event is handled in android?

g) Identify the methods used in controlling audio and video.

h) State the appriate method used for scanning wireless networks.

i) List the three types of XML parsers provided by android.

j) Mention the usage of On Touch Event() Method.

Section - B

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

2. How the resources are organized in Android? Write the code for accessing the resource.

3. Explain in detail about Android Layouts. List out the attributes of layout.

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

5. How to launch the existing camera application to capture an image and display the result in the form of bitmap?

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

7. How to parse XML data in Android?

Section - C

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

8. 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.

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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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