

Reg. No. :

--	--	--	--	--	--	--	--	--	--

Question Paper Code: 52232

M.E. DEGREE EXAMINATION, JUNE 2016

Second Semester

Computer Science Engineering

15PCS202 – INTERNALS OF ANDROID

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

- Once installed on a device, each android application lives in
 - device memory
 - external memory
 - security sandbox
 - none of these
- Creating a UI (User Interface) in android requires careful use of
 - Java and SQL
 - XML and Java
 - XML and C++
 - Dream weaver
- Which among these are NOT a part of android's native libraries?
 - Webkit
 - Dalvik
 - OpenGL
 - SQLite
- While developing android applications, developers can test their apps on
 - Emulator included in android SDK
 - Physical android phone
 - Third party emulators (you wave etc..)
 - All the above
- Which piece of code used in android is not open source?
 - Keypad driver
 - WiFi driver
 - Auto driver
 - Power management

PART B - (5 x 3 = 15 Marks)

- What is android? What are the features of android?
- Describe activities. What is the use of an activity creator?

8. What is the important of XML based layouts?
9. What is AIDL?
10. What do you understand by 'AOSP'?

PART C - (5 x 16 = 80 Marks)

11. (a) Explain in detail about the development model in an android with neat sketch. (16)

Or

- (b) Describe the setup procedure and tools required to develop the android applications. (16)

12. (a) Explain the activity life cycle in android. (16)

Or

- (b) Describe about the various types of intents in detail. (16)

13. (a) What are the key components of android architecture? Explain in detail with neat sketch. (16)

Or

- (b) Explain about the android Java virtual machine and its services in detail. (16)

14. (a) Discuss in detail about the procedure to integrate the android application with social media applications. (16)

Or

- (b) Develop the application to scan a list of wireless networks and populate them in a list view. (16)

15. (a) (i) How does the AOSP relate to the android compatibility program? (6)

- (ii) Build the face book application to share the content among the users. (10)

Or

- (b) What is ADB? Discuss the procedures to setup and usage of ADB for android application. (16)