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M.TECH

M.TECH 2ND SEMESTER (AR 17) SUPPLEMENTARY EXAMINATIONS, APRIL/MAY 2019

MOBILE APPLICATION DEVELOPMENT

Branch: CSE, Subject Code:MCSPC2051

Time: 3 Hours

Max Marks : 70

PART-A**(10 X 2=20 MARKS)****1. Answer the following questions.**

- Draw architecture diagram of android operating system?
- Illustrate how do we create interactive services in android.
- Enlist the Application packaging?
- List out the features of Wi-fi?
- What are the features of iOS?
- List out the applications of mapkit framework?
- In what way data are present in Calendar?
- Define Grand central Dispatch?
- Define Multiview Applications?
- What is Dalvik?

PART-B**(5 X 10=50 MARKS)****Answer any five questions from the following.**

- Q.2.a) Compare the mobile application development with traditional application development. [5]
 b) Categories the types of smart phones with features? [5]
- Q.3.a) Describe the steps to be followed in installing Android Development Toolkit(ADT) plug-in in Eclipse. [5]
 b) Explain the creation of Android Virtual Device(ADV) to run android program on emulator [5]
- Q.4.a) Explain the building blocks, intents and services with example. [5]
 b) Discuss the purpose of following manifest: [5]

```
<manifest xmlns:android = http://schemas.android.com/apk/res/android
package = "com.google.android.app.myapp">
  <user-permission android:name= "android.permission.RECEIVE_SMS"/>
</manifest>
```

 [5]
- Q.5. a) Illustrate the steps how to interact with server side applications? [5]
 b) Explain how to interact with UI with suitable example? [5]
- Q.6.a) Discuss the deployment issues of mobile applications in iPhone marketplace. [5]
 b) Explain what are the features considered for a successful mobile application? [5]
- Q.7. a) List the different the steps involved in designing multimedia application. [5]
 b) Explain with diagram the mobile cloud architecture. [5]
- Q.8. Write short notes on [5]
 a) Android Virtual Device(AVD) [5]
 b) Content Provider