

Registration No:

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Total Number of Pages : 01

M.TECH

**M.TECH 2<sup>ND</sup> SEMESTER REGULAR EXAMINATIONS, MAY 2018**  
**MOBILE APPLICATION DEVELOPMENT**  
**Branch: CS, Subject Code:MCSPE2051**  
**Time: 3 Hours**  
**Max Marks : 70**

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

- |   |        |
|---|--------|
| a) Define Mobile Application?   | [CO-1] |
| b) List out the different uses of mobile application.   | [CO-1] |
| c) Enlist the types of Mobile Devices?  | [CO-1] |
| d) List the Requirement Gathering?  | [CO-1] |
| e) What are the components of UI tool kit?  | [CO-1] |
| f) List out the various design issues that needs to be considered during the development of mobile application. | [CO-3] |
| g) In what way gestures are preferred than touch events.  | [CO-4] |
| h) What is OWASP?   | [CO-2] |
| i) Draw the flow chart of mobile application for integration with GPS.  | [CO-2] |
| j) How do we create interactive services in android?  | [CO-3] |

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

- |   |              |
|---|--------------|
| 2. a) Explain in detail about android architecture?   | [CO-1] [ 5 ] |
| b) Categories the user interface with detail explanation?   | [CO-3] [ 5 ] |
| 3. a) Describe the lifecycle of android activity with a neat sketch.  | [CO-2] [ 5 ] |
| b) Discuss about Persisting of data using SQLite?   | [CO-2] [ 5 ] |
| 4. a) Briefly explain Touch Frameworks?   | [CO-3] [ 5 ] |
| b) Write the methods used to developing Alarm application using objective C.  | [CO-3] [ 5 ] |
| 5. a) Is validation is necessary in mobile application development. Justify it.   | [CO-3] [ 5 ] |
| b) Discuss in detail about the Market Drivers in Mobile Application?  | [CO-1] [ 5 ] |
| 6. a) Exemplify RTOS with detail description.   | [CO-4] [ 5 ] |
| b) Explain in detail the role of simulators and Emulators in Mobile Application?  | [CO-3] [ 5 ] |
| 7. a) List the different types of sensor devices supported by android SDK and explain how to interpret sensor readings. | [CO-4] [ 5 ] |
| b) Explain in detail about – Integration with social media applications.  | [CO-2] [ 5 ] |
| 8. Write short notes on   |              |
| a) Google Maps  | [CO-2][ 5 ]  |
| b) GPS and Wifi   | [CO-2][ 5 ]  |