

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

Paper ID : 2295006

Roll No.

B.TECH.

Regular Theory Examination(Odd Sem -VII), 2016-17

MOBILE APPLICATION DEVELOPMENT

Time : 3 Hours

Max. Marks : 100

SECTION - A

1. Attempt all parts of the following. Write answer of each in short. (10×2=20)

- What are the advantages and disadvantages for Mobile Application?
- What do you mean by MVC?
- What is embedded system? Explain with suitable example.
- What is two finger tap?
- List out the challenges for mobile cloud computing
- List out the features of iOS?
- What is Persisting data in SQLite?
- Why does Google maps need WiFi / Internet Connection?

- List out the features for capabilities for web access?
- Draw the mobile cloud architecture diagram.

SECTION - B

2. Attempt any 5 parts from the following : (5×10=50)

- Discuss in detail about the Market Drivers and Business Drivers in Mobile Application?
- Explain different Hardware and Software related constraints in designing mobile applications?
- Explain various design patterns for developing mobile applications.
- Define Myths in the development of Mobile Application.
- Explain Any Two?
 - Explain Data Persistence using core data?
 - What are the application of mapkit toolkit?
 - Explain WiFi in iPhone Device?
- Define Android OS and explain in detail about its architecture?
- Discuss the deployment issues of mobile applications in iPhone marketplace.
- Explain Any Two?
 - What are the datas present in Calendar?

- ii. Explain Touch Frameworks in iOS?
- iii. What are the tools used in social media integration?

SECTION - C

Note : Attempt any 2 parts from the following :

(2×15=30)

- 3. Attempt the following
 - a. Discuss different mobile operating system in brief.
 - b. What are the advantages of using Hybrid Apps over Native Apps?
 - c. What is Embedded System; discuss the various components of Embedded OS?
- 4. Attempt the following
 - a. What is the difference between e-Commerce & m-Commerce.
 - b. Use of Objective C?
 - c. What is the data present in Address Book?
 - d. Explain different types of Mobile Apps?
 - e. Discuss features of SWIFT?
- 5. Attempt the following
 - a. Explain Mobile Application Architecture? Discuss different interfaces and communication channels between different layers.



- b. How the requirement gathering for a Mobile App is different from traditional software design. Discuss the different design consideration and design principles for developing Mobile Apps.