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**B. TECH**  
**(SEM-VII) THEORY EXAMINATION 2020-21**  
**MOBILE APPLICATION DEVELOPMENT**

Time: 3 Hours

Total Marks: 100

Note: Attempt all Sections. If require any missing data; then choose suitably.

## SECTION A

1. Attempt all questions in brief. 2 x 10 = 20

a.	What do you mean by android activities?
b.	Define the role of GPS in Android devices.
c.	What is mobile cloud computing?
d.	What are the features of Wi-Fi?
e.	What are the features of iOS?
f.	Define user interface.
g.	Give the characteristics involved in mobile devices.
h.	Explain Swift.
i.	Define Mobile Application.
j.	What are challenges in developing mobile application?

## SECTION B

2. Attempt any three of the following: 10x3=30

a.	Explain in detail the importance of delivery of Mobile Application?
b.	What do you mean by Publishing? Explain its relevance in Mobile Applications?
c.	Discuss the various phases of Mobile Application Development.
d.	Explain in detail about Android Architecture.
e.	What are the steps and procedure to publish android app?

## SECTION C

3. Attempt any one part of the following: 10x1=10

a.	Explain Mobile Applications. What are the Market and business drivers for mobile applications?
b.	Describe the process of Requirements gathering and validation for mobile applications in detail

4. Attempt any one part of the following: 10x1=10

a.	Describe User Interface architecture of mobile applications in detail.
b.	Define Embedded OS. Describe the Design constraints for mobile applications in detail

5. Attempt any one part of the following: 10x1=10

a.	Explain the integration process of mobile applications with GPS and social media networking applications.
b.	Explain the android architecture in detail. In what way gestures are preferred than touch events, discuss.

6. Attempt any one part of the following: 10x1=10

a.	Define the role of GPS in Android devices and list out its features. Why does Google maps need Wi-Fi?
b.	Discuss the process of database connectivity using SQLite.

7. Attempt any one part of the following: 10x1=10

a.	Explain Location aware application using core location and map kit? Discuss the deployment issues of mobile applications in iPhone marketplace.
b.	Explain the important design issues and User interface Implementation in iOS?