

IIIrd SEMESTER EXAMINATION, 2023 – 24
IInd yr M.Tech. – Computer Science and Engineering)
MOBILE APPLICATIONS AND SERVICES

Duration: 3:00 hrs**Max Marks: 100**

Note: - Attempt all questions. All Questions carry equal marks. In case of any ambiguity or missing data, the same may be assumed and state the assumption made in the answer.

Q 1.	Answer any four parts of the following. a)What are some Do's and Don'ts in android market? b)What are the layers present in the android architecture? c)What is Android? Explain their versions and applications? d)Discuss the process of database connectivity using SQLite. e)Define the role of GPS in Android devices. f)Explain different skill required for Android Developer.	5x4=20
Q 2.	Answer any four parts of the following. a)What are the essential tasks involved in publishing a Mobile Application? b)Explain in detail the importance of delivery of Mobile Application? c)Define services in Android operating system. d)What do you mean by UI architecture? explain. e)What is Persisting data in SQLite? f)How do you prevent the WebView from invoking the device's web browser when a redirection occurs in the WebView?	5x4=20
Q 3.	Answer any two parts of the following. a)Compare and contrast Android with other environments. b)Explain in detail about user interface and its types? c)What is a web service? Why it is required? How a web service can be consumed in an Android application.	10x2= 20
Q 4.	Answer any two parts of the following. a) Explain SQLite. Write steps to create, open, and close the database Cursors. b)Explain how the lifecycle of an android activity works. c) Discuss the detail about Android Platform. List steps for building Android application.	10x2= 20
Q 5.	Answer any two parts of the following. a)Write about Mobile App UI. How do we use text to speech on Android? b)What is framework? Write various hurdles in Mobile App Development. c)Create an android application which display three buttons on Main Activity named RED, GREEN and BLUE. The background color of activity should be changed to appropriate color when user click on any of these buttons	10x2= 20
