

ODD SEMESTER EXAMINATION, 2023 – 24
2nd year M.Tech: Computer Science & Engineering
SUBJECT: 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 is mobile computing b) What is wireless mobile computing with example? c) Enlist the steps to publish the Android application. d) Describe the Android architecture in detail. e) What are the android field service application? f) What are text to speech techniques?	5x4=20
Q 2.	Answer any four parts of the following. a) Draw the hierarchical directory structure of android application. b) What is mobile agent and Peer to Peer architecture component? c) What is wireless connectivity mobile application d) What is Agent based communication of IOT network. e) What is Packaging? Explain Android Multimedia application. f) What is Android Telephony? Explain Correct Communications Model.	5x4=20
Q 3.	Answer any two parts of the following. a) Define notification? Explain the alarms android notification and graphics b) Explain synchronization and data replication of mobile data with example c) Explain in detail mobile application development Hurdles.	10x2= 20
Q 4.	Answer any two parts of the following. a) What is the voice user interface (VUI) technology? Explain the features and benefits of VUI b) What is Android storing and retrieving data in mobile computing? c) What is Hacking android security? Explain in details android multimedia system	10x2= 20
Q 5.	Answer any two parts of the following. a) Discuss the mobile Software engineering frameworks and tools b) What is multithreading performance? Explain. Graphics and UI performance c) What are active transactions? Explain recent trends communication protocol for IOT	10x2= 20
