

BACHELOR OF TECHNOLOGY (CBCS) (2014 COURSE)

Information Technology

B.Tech.Sem - VIII :SUMMER : 2023

SUBJECT : MOBILE COMPUTING

Day : Monday

Time : 02:30 PM-05:30 PM

Date : 29-05-2023

S-13438-2023

Max. Marks : 60

N. B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagrams **WHEREVER** necessary.
- 4) Assume suitable data, if necessary.

Q. 1 Describe CDMA in detail. (10)

OR

What are issues in wireless communication? Explain with suitable example. (10)

Q. 2 What is Internet Protocol? State difference between static and dynamic IP. (10)

OR

Describe concept of wireless network and allocation of channel in detail. (10)

Q. 3 What are Radio Interfaces and PLMN interfaces? Explain. (10)

OR

Describe 4G networks and 5G networks. (10)

Q. 4 What is communication asymmetry in mobile data communication? Explain with example. (10)

OR

Describe selective tuning and indexing techniques in communication. (10)

Q. 5 What is Kernel? Describe interfacing between operating system and hardware. (10)

OR

Enlist and explain protocols used in mobile operating system. (10)

Q. 6 Describe android application development process. (10)

OR

How to develop IOS application? Explain. (10)

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