# Anna University Questions

**May/June 2015**

**Part A**

1. List the advantages of mobile computing.
2. Explain hidden and exposed terminal problems in infrastructure-less network.

# Nov/Dec 2016

1. What are the limitations of Mobile Computing?
2. What are the different Random Assignment Scheme in MAC?

# Part B

11.(a) (i)Explain the characteristics of Mobile computing. (8)

(ii)Explain the structure of Mobile Computing Application. (8)

OR

(b) Explain the various taxonomy of MAC protocols in detail. (16)

# Nov/Dec 2016

11. (a) Differentiate between FDMA,TDMAand CDMA(16)

OR

(b) i) Explain the Distinguishng features of various generations of wireless networks? (8)

ii) Describe the applications of mobile computing?(8)

**April/may 2017**

1.Differentiate mobile computing and wireless networking.

2.list some random assignment scheme.

Part – B

1.explain the wireless MAC issues in detail.(8))

2.explain the various applications mobile computing.(8)

3.explain fixed assignment scheme with neat diagram.(8)

4.explain the MAC protocols for Ad Hoc networks.(8)

# Nov/Dec 2017

# Part -A

# 1.List out the differences between Mobile Computing and Wireless Networking.

# 2. "MAC protocol designed for infrastructure based wireless network may not satisfactory in infrastructure-less environment. " - Justify.

# Part - B

# i) Explain hidden and exposed terminal problem in infrastructure-less network. (8)

# ii) Describe architecture ofmobile computing. (S) (oR) What are the fixed assignment schemes of MAC protocol ? Explain their mechanism in detail. Compare and contrast them.

**May/June 2018**

# Nov/Dec 2018

part - A

1. What Is Mobile Computing?

# Define computing?

# Define Mobility?

# What is main advantage and Disadvantage of mobile computing?(May/june 2015)

# Distinguish Mobile Computing vs. Wireless Networking

1. List out various forms of Wireless networks?

# What are the two basic types of wireless network?

# List out types of computer network?

# Define CAN?

# Define LANs?

# Define Internetwork?

# Listout Component of wireless System?

1. Write short notes about WLANs?

# Brief about Access point ?

# Write short notes about Wireless LAN cards ?

# Define Bridge?

# Write Advantages of Wireless LANs over Wired LANs?

# Write Bluetooth technology?

# What is piconet?

# What will the master and slave?

# Describe Mobile ad hoc network?

# Lisout the Chracteristic of Mobile computing?

# Listout the three tiers of a mobile computing application?

1. Write about MAC protocol?

# Write some of issues of MAC protocol?

# List out classification of MAC protocol?

# Define fixed assignment schemes ?

# Define random assignment schemes ?

# Define reservation assignment schemes ?

# Explain hidden and exposed terminal problems in infrastructure-less network.(May/June 2015)

# What are the limitations of Mobile Computing? (Nov/Dec 2016)

# What are the different Random Assignment Scheme in MAC?

# Part - B

1. List out the characteristics of mobile computing
2. State & explain the various applications of mobile computing
3. Explain the architecture of a mobile computing environment.
4. Define the function of the presentation, application and data tier of mobile computing environment. Explain the working of a contention- based MAC protocol. Give two examples of contention-based MAC protocol
5. Explain why do MAC scheme in wired network fail in wireless networks and how does the multiple access with collision avoidance (MACA) scheme work?
6. What are the broad categories of MAC protocols? Name one popular from each of these categories. Explain the various random assignment schemes that are used in MAC protocol.
7. Compare the mechanisms of TDMA, FDMA, and CDMA with their functions
8. What is FDMA & TDMA? Briefly explain its working and at least one of its important applications.