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M. B. A. (Third Semester) Examination,
Nov.-Dec. 2021

(New Scheme)

(Management Branch)

(Specialization : System Management)

MOBILE COMMERCE and SECURITY

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 32

*Note : Answer any **two** parts from (a), (b) and (c)*
from each question. All questions carry equal
marks. (8 each)

1. (a) What is Mobile computing? Differentiate between
   mobile computing and wireless networking.

(b) Explain the structure, characteristics, application of mobile computing.

(c) Discuss the services of GPRS. What are the advantage of GPRS over GSM?

2. (a) Distinguish wireless LAN and wired LAN. Explain the Bluetooth technology.

(b) Discuss the basic scheme of the CDMA protocol. What is the role of a pseudorandom generator in the working of the CDMA protocol?

(c) Illustrate Ad-hoc Networks with pictorial representation. Wire the uses of Ad-hoc networks?

3. (a) Describe the special features that an operating system for mobile device needs to support, compared to the features provided by a traditinal operating system.

(b) Do mobile phones affect the human body negatively? Explain your answer.

(c) What are the different security protocols used in Mobile Computing? Explain.

4. (a) Define M-Commerce. Explain the different applications of m-commerce.

(b) What are the different types of payment models used in m-commerce? Describe the different factors that are essential for newer payment systems.

(c) What do you mean by B2B and B2C commerce? Give examples of M-commerce for these two categories of commerce.

5. (a) Write short note on :

(i) Special constraints and Requirements of Mobile OS.

(ii) Special Service Requirements

(b) Explain the fundamental issues that need to be addressed to create a trustworthy or secure business environment in m-commerce. What are the important streams in developing business in m-commerce?

(c) Describe 1G, 2G and 3G of wireless network?