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**M. B. A. (Third Semester) Examination,
Nov.-Dec. 2020
(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).
All questions carry equal marks.***

- 1. (a) Explain in detail about Mobile Computing.
Differentiate between Mobile Computing and
Wireless Networking.**

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- (b) Elaborate the services of GSM. In what ways GPRS is better than GSM?
 - (c) List the application of Mobile Computing. Point out in what way Mobile Computing is useful to our society?
2. (a) Describe how the mobile cellular communication has evolved over the generation of technologies?
- (b) Define Mobile IP. Differentiate between Traditional IP and Mobile IP. Why the traditional IP cannot be used in the mobile network?
- (c) Define short notes on :
- (i) Characteristics of a secure ad hoc network
 - (ii) Security attacks in ad hoc networks
3. (a) Illustrate different security issues in Mobile Payment Systems.
- (b) Describe symmetric key cryptography and public key cryptography.
- (c) Explain security framework for mobile environment.

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4. (a) What do you understand by M-commerce? Explain the advantages and disadvantages of M-commerce.
- (b) Explain mobile application and services.
- (c) Describe M-Commerce life cycle.
5. (a) Draw the architecture of Wireless WAN and Wireless LAN.
- (b) Describe various security challenges in M-Commerce.
- (c) Summarize 3G and 4G wireless network in detail