

BT-6 / M-18
MOBILE COMPUTING
Paper–CSE–306 N

Time allowed : 3 hours]

[Maximum marks : 75

Note: Attempt five questions in all selecting at least one question from each unit. All questions carry equal marks.

Unit–I

1. What is Mobile Computing? What are its characteristics? Describe the three-tier architecture of mobile computing.
2. (a) What are the issues involved in Handoffs' in the context of cellular networks?
(b) Give a brief overview of the various generations in Cellular network technology.

Unit–II

3. Explain the working of traditional TCP protocol and discuss the issues that may arise for TCP in wireless networks.
4. (a) What are the components of WAP architecture?
(b) Give an overview of Bluetooth.

Unit–III

5. (a) Highlight the issues and challenges in mobile data management systems.

(2)

- (b) What do you mean by data replication for mobile computers? What are the forms and strategies of replication?
- 6. (a) Classify the different types of cloud deployment models.
- (b) What is a public cloud? What are the significant advantages provided by a public cloud service?

Unit-IV

- 7. Give an introduction of Ad hoc networks along with a discussion of various issues related to Ad hoc networks.
- 8. Derive a classification of routing protocols for Ad hoc wireless networks. Discuss in brief the working of one routing protocol of each category.



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