

APRIL/MAY 2019

MCS33 — MOBILE COMPUTING

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) Explain the characteristics of Mobile Computing and Wireless Networking.

Or

- (b) List and explain the Wireless MAC issues.

2. (a) Elucidate the components of a mobile IP network with a diagram.

Or

- (b) Discuss on improvement in TCP performance.

3. (a) Describe the concept of GSM mobile service.

Or

- (b) Explain about the UMTS radio interface.

4. (a) List and explain the Design issues of Ad-hoc Networks.

Or

- (b) Write a note on Vehicular Adhoc networks.

5. (a) Briefly explain the Software Development Kit.

Or

- (b) What are the security issues in Mobile Payment System?

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Explain in detail the MAC Protocols with a diagram.
7. Explain the concept of adaptation of TCP window.
8. What is GPRS? Explain it.
9. Discuss on Routing in Ad-Hoc Networks.
10. Write a brief note on Commercial Mobile Operating System.

