PART B — (5 × 16 = 80 marks)

11. (a) (i) Explain the wireless MAC issues in detail. (8)

(ii) Explain the various applications of mobile computing. (8)

Or

(b) (i) Explain fixed assignment scheme with a neat diagram. (8)

(ii) Explain MAC protocols for Ad Hoc Networks. (8)

12. (a) With a neat diagram explain how packet delivery to and from a mobile node is transferred in mobile IP. (16)

Or

(b) What is encapsulation? Explain in detail the various encapsulation techniques in mobile IP. (16)

13. (a) Explain the GSM architecture in detail. (16)

Or

(b) Explain GPRS protocol architecture. (16)

14. (a) Explain the design issues of MANET routing protocols in detail. (16)

Or

(b) Explain any two VANET routing protocol with an example. (16)

15. (a) Explain various operating systems for mobile computing. (16)

Or

(b) Write detailed notes on mobile commerce. (16)

———————

17/05/17 · FN

Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 72056

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2017.

Sixth Semester

Information Technology

IT 6601 — MOBILE COMPUTING

(Common to Computer Science and Engineering)

(Regulations 2013)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Differentiate mobile computing and Wireless Networking.

2. List some random assignment scheme.

3. What is Route Optimization?

4. List the modifications proposed in single-hop and Multi-hop Wireless Networks.

5. Name the Teleservices provided by GSM.

6. Write the suggestions of mobile phone with respect to human body.

7. List the applications of MANETs.

8. Distinguish Proactive and Reactive protocols.

9. What are the special constrains and requirements of Mobile O/S.

10. Explain the Pros and Cons of M-commerce.