

S.No. 658

12PCAZ06

(For the candidates admitted from 2012-2013 onwards)

M.C.A. DEGREE EXAMINATION, APRIL/MAY 2018.

Fourth Semester

Elective – MOBILE COMPUTING

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL the questions.

1. (a) What are the advantages of Digital information?

Or

- (b) Give a brief note on Wireless Information Networks.

2. (a) Discuss the generation of Wireless networks.

Or

- (b) Explain the different types of Handoff.

3. (a) Describe the classification of Mobile Data Networks.

Or

(b) What are the types of Satellite Classification?

4. (a) Define Fading. What are the factors to be considered at the base station?

Or

(b) Write a note on security arrangements in CDMA.

5. (a) What are the advantages of Microcell?

Or

(b) Briefly explain Bluetooth Technology.

PART B — (5 × 10 = 50 marks)

Answer all the questions.

6. (a) Explain the different control functions in telephone systems.

Or

(b) Write about the History of Mobile Communication.

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7. (a) Describe in detail the system architecture in cellular mobile communication.

Or

(b) Explain the different types of third generation wireless Standards.

8. (a) Give a detailed note on Global Mobile Communication.

Or

(b) Discuss on the Directional Antennas for Co-Channel Interference Reduction.

9. (a) Explain Mobile Internet in detail.

Or

(b) Write a note on Wireless Local Loop Architecture.

10. (a) Write a brief note on MANET and technical factors affecting ADHOC networks.

Or

(b) Explain Intelligent Mobile Communication Systems.

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