

S.No. 96

17PELED1

(For the candidates admitted from 2017–2018 onwards)

P.G. DEGREE EXAMINATION, APRIL/MAY 2018.

Second Semester

CELLULAR PHONE SERVICING

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL the questions.

1. (a) Write a short history of Wireless communication.

Or

- (b) Write a short note on antennas.

2. (a) Write a brief note on initialization of a handoff.

Or

- (b) Explain briefly about Routing cellular cells.

3. (a) Write a short note on Bluetooth.

Or

- (b) Explain about Link Manager protocol briefly.

4. (a) What is the process involved in high bandwidth internet access using DVB? Explain briefly.

Or

- (b) What is Orthogonal Frequency Division Multiplexing (OFDM)? Explain briefly.

5. (a) Write a short note on keypad servicing.

Or

- (b) What are the various types of displays in mobile phone? How do you service them?

PART B — (5 × 10 = 50 marks)

Answer ALL the questions.

6. (a) With a frequency spectrum, explain the various frequencies used for Radio transmission.

Or

- (b) Write a detailed note on the various types of wave propagation.

7. (a) Explain in detail about cellular coverage and channels.

Or

- (b) What is a MTSO handset? Explain in detail about MTSO interconnection.

8. (a) Draw the block diagram of a CDMA system and explain the various blocks.

Or

- (b) Explain in detail about GPRS techniques and its advancement.

9. (a) Draw the DAB frame structure and explain it in detail.

Or

- (b) Write a detailed note on Digital Video Broadcasting (DVB) scenario.

10. (a) Write a detailed note on preventive maintenance for a mobile phone.

Or

- (b) How do you install games and applications in a mobile? Explain.