

SF - 551

Seat No.	
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Total No. of Pages : 2

**B.E. (E&TC) (Part -II) (Semester - VIII) Examination,
November - 2017
MOBILE COMMUNICATION (Elective -II) (Pre-Revised)
(Old)**

Sub. Code : 49521

Day and Date : Monday, 06 - 11 - 2017

Total Marks : 100

Time : 10.00 a.m. to 01.00 p.m.

- Instructions :**
- 1) All questions are compulsory.
 - 2) Figures to the right indicates full marks.
 - 3) Assume suitable data if necessary.

SECTION - I

Q1) Solve any two. [16]

- a) Explain in detail HSCSD (High speed Net. Switched Data) in GSM.
- b) Draw and explain dial-up data connection in an analog cellular network.
- c) What is meant of bit-tooth? Describe in detail bit-tooth technology

Q2) Solve any two. [16]

- a) Draw and explain CDPD-Network architecture.
- b) Explain FHSS and DSSS offered by IEEE 802.11.
- c) Explain packet switched data services on cellular network.

Q3) Write notes on any three. [18]

- a) Wireless ATM
- b) IP packet delivery
- c) Minimal encapsulation
- d) Mobile and wireless devices

P.T.O.

SECTION - II

Q4) Solve any two.

[16]

- a) Explain TCP over 2.5/3G wireless network. What characteristics have to be considered and configuration parameters to adopt TCP?
- b) How and why does I-TCP isolates problems on the wireless link? What are the main drawbacks of this solution?
- c) Explain security services in wireless system.

Q5) Solve any two.

[16]

- a) Explain Transmission/Time out freezing and selective retransmission.
- b) Draw WAP push architecture and explain various protocols used in Push architecture.
- c) Explain with neat diagram WTLS secure session establishment and datagram transfer.

Q6) Write notes on any three.

[18]

- a) Advantages and disadvantages of VPN
- b) File systems
- c) Sync. ML.
- d) W.W.W.

