B.E. (E&TC) Part - II (Semester - VIII) Examination, May - 2018
MOBILE COMMUNICATION (Prerevised)
Sub. Code : 49521

Day and Date : Monday, 14 - 05 - 2018

Total Marks : 100

Time : 02.30 p.m. to 05.30 p.m.

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

SECTION - I

Q1) Solve any two : [16]

a) Draw and explain CDPD-network architecture.

b) What are design goals for wireless LANs? Compare infrared Vs radio transmission.

c) Draw and explain dial-up data connections in an analog cellular network.

Q2) Solve any two : [16]

a) Explain different bluetooth security components and protocols.

b) Draw and explain architecture of an infrastructure and Adhoc-based IEEE 802.11.

c) Explain quality of service support and other specilities of HIPERLAN 1.

Q3) Write notes on (any three) : [18]

a) IEE 802.11 MAC parket structure.

b) Channel assignment and hooping in CDPD.

c) DHCP

d) Services on cellular networks.

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Q4) Solve any two :   [16]

a)   Explain with neat diagram WTLS secure session establishment and datagram transfer.

b)   How and why does indirect-TCP isolate problem on the wireless link? What are the main drawbacks of this solution?

c)   Explain security services in wireless systems.

Q5) Solve any two :   [16]

a)   What is WAP 2.0? Draw and explain WAP 2.0 Architecture.

b)   What is WDP? Explain WDP services primitives.

c)   Why quality of services is important in WATM? Explain different quality of services supported by WATM network.

Q6) Write note on any three :   [18]

a)   File systems.

b)   WWW

c)   Attacks on wireless networks.

d)   i-mode protocol stack using internet/WAP 2.0 protocol.

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