B.E. (Computer) (Sem -VII) (CB)   Date - 18/11/19

Time: 3 Hours   Marks: 80

Note:- Q 1 is compulsory

Solve any three from remaining

Each question carries 20 marks

Q1] Solve any four

A] Explain different application of mobile computing.

B] Explain concept of frequency reuse with clustering.

C] Explain IP mobility.

D] Explain characteristics of GSM standards.

E] Explain in short voice over LTE.

Q 2] a] Explain in detail GSM architecture.

B] Explain in short different algorithm used for authentication and privacy in GSM.

Q3] a] Explain hidden station and exposed station problem with solution in WLAN.

B] How is packet delivery achieved to and from mobile node?

Q 4] a] Explain DSDV routing protocol used in ad-hoc network.

B] Explain protocol architecture of IEEE 802.11.

Q 5] a] Explain Bluetooth protocol stack in detail.

B] Explain different security threats in WLAN and discuss the available solutions.

Q 6] A] Explain different components used in LTE architecture with diagram.

B] Explain various nodes present in E-UTRAN architecture.

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