Roll No ....

IT-7003 (CBGS)
B.E. VII Semester
Examination, November 2018
Choice Based Grading System (CBGS)
Wireless And Mobile Computing
Time : Three Hours

Maximum Marks : 70

Note: i)   Attempt any five questions.

      ii)   All questions carry equal marks.

1. a)   What is Antenna? Give its types and their radiation pattern.

   b)   Describe wireless propagation modes and explain how a signal radiated along these modes.

      https://www.rgpvonline.com

2. a)   What is Fading? Describe slow and fast fading. Also explain large scale and small scale fading.

   b)   Why a specialized MAC is used in wireless network? Explain the problems associated with 'Hidden and exposed terminals' and 'near and far terminals'.

3. a)   What are the various mobile services provided by GSM? Explain each in brief. https://www.rgpvonline.com

   b)   Give reasons for a handover in GSM and the problems associated with it. What types of handover can occur?

4. a)   Explain GPRS architecture and reference model.

   b)   Explain the protocol architecture of DECT system.

5. a)   What do you understand by wireless LAN? Write down some important requirements for wireless LANs.

   b)   Explain various IEEE 802 standards and basic architecture of IEEE 802.11 standard. https://www.rgpvonline.com

6. a)   What is Mobile IP? Explain the basic operation of mobile IP.

   b)   What is the Basic purpose of DHCP? How can DHCP be used for mobility and support of mobile IP? Explain.

7. a)   With advantages and disadvantages, explain indirect TCP. Explain snooping TCP.

   b)   What is an Intruder? Describe the classification of intruders. https://www.rgpvonline.com

8.   Write short notes on any two of the following:

   a)   Firewall design principle

   b)   HIPERLAN

   c)   WSN

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