

Roll No

IT-702 (GS)

B.E. VII Semester Examination, June 2020

Grading System (GS)

Wireless and Mobile Computing

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. Explain the architecture of GSM in detail. Also discuss various services provided by GSM system?

2. Write and explain the four major challenges for implementing Wireless LAN.

OR

Draw and explain the architecture of 802.11a, 802.11b and 802.11c.

3. What is handoff? Explain different handoff initialization techniques with suitable diagram.

4. Draw and explain architecture of Ad hoc network. Write its characteristics and challenges.

5. a) Draw and explain the architecture of wireless sensor network. Write its applications.

b) Write explanatory note on Mobile IP and DHCP.

6. Explain the following.

i) Hidden and exposed terminals problems

ii) Near and far terminals problems

OR

Discuss the requirements and architecture of HIRERLAN-1.

7. Define the three classes of intruders and mention the intrusion techniques to protect from the intruders.

8. Write short notes on any two.

a) Fire wall

b) CDMA

c) World Wide Web

d) Trojan Horse Defence
