

AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING, I.A.F, AVADI, MUTHAPUDUPET

YEAR/SEM/SEC: IV/VIII/A & B,

MODEL QUESTION PAPER,

TOTAL MARKS:100

TIME DURATION: 3 HRS

PART-A(2*10=10)

EC2043-WIRELESS NETWORKS

- 1.What is unique about voice voice oriented wireless network?
- 2.why is cell splitting done.
- 3.what is the significance of signal to interference ratio?
- 4.what is multicasting.
- 5.what are the classification of MAC protocol?
- 6.what is the advantages of HIPERLAN-2.
- 7.what are the use of sensors.
- 8.what do you mean by acoustic sensors.
- 9.what are the tables maintained by WRP?
- 10.List out few source initiated on demand routing.

PART-B(16*5=80)

- 11.Explain different fixed assignment multiple access methods and mention the applications of each.

OR

- 12.compare CDMA,TDMA and FDMA.

- 13.Explain different random access methods for mobile data services.

OR

- 14.a.with necessary diagram explain how the capacity is increased by using directional antennas for cell sectoring and cell splitting.(10m)

b.explain the concept of channel borrowing techniques and dynamic channel allocation.(6M)

- 15.a.with necessary diagram explain the generic hand off management process.(8m)

b.discuss the power saving mechanism in wireless networks.

OR

- 16.Describe the different logical channels used in the GSM network.(8m)

b.With necessary diagram the GPRS system architecture.(8m)

- 17.compare and contrast 1G,2G and 3G Cellular system.(16m)

OR

- 18.explain in detail the GSM network architecture and protocol architecture.(16m)

- 19.write short notes on i> SMS in GSM ii>RAKE receiver

OR

- 20.Explain the challenges facing the WLAN industry,also explain the WLAN applications.(8m)

ii. write short notes on MAC sublayer management.