

Question Bank (G scheme)

Name of subject: **Mobile Computing**

Unit Test :I

Subject code: 17632

Course : IF6G

Semester: VI

Chap1: Introduction to Mobile Computing [16 Marks]

3 Marks

Q.1 What are the various Mobile Computing functions?

Q.2 What are the different Mobile Computing devices?

Q.3 Write a note on Mobile Computing architecture?

Q.4 What is Cellular concept?

4 Marks

Q.5 What is Frequency reuse?

Q.6 What are channel Assignment strategies?

Q.7 Define Interference and the system capacity?

Q.8 Why it is necessary to improve coverage and Capacity in Cellular system?

Q.9 Write a short note on Cell splitting.

Q.10. Write short note on Sectoring.

Q.11 What is Microcell concept?

Chap2: Global System for Mobile Communication (GSM) [22 Marks]

3 Marks

Q.12 What are Services and features available in GSM?

Q.13 What is GSM architecture and write subsystems involved in it?

Q.14 What are GSM channels type?

4 Marks

Q.15 What is GSM control channels ?(CCH)?

Q.16 Write the example of GSM call to PSTN calls, PSTN to GSM call.

Q.17 Write about the GSM frame Structure.

Q.18 What is the procedure for location of MS in Network?

Chapter 3.GSM Mobility Management [18 Marks]

3 Marks

19. When GSM location Update occurs.

20. What is basic Updating Procedure?

21. Write short note on the basic call origination and terminating Procedure.

4 Marks

22. What is VLR identification algorithm.

23. Write a short note on VLR overflow control.

24. Write a short note on algorithm for O-1 registration.

25. Write a short note on algorithm for O-2 cancellation.