2MSC-4.3 - Paper-IV (Elective-III) : Mobile Computing

P. Pages : 1   **GUG/S/18/5727**

Time : Three Hours ||||||||||||||||||||||| *1747*   Max. Marks : 80

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Notes : 1. All questions are compulsory and carry equal marks.

Either.

1. a) What are the advantages of mobile computing?   **8**

    b) Explain the architecture of GSM.   **8**

OR

    c) What is Data dissemination? Explain in brief.   **8**

    d) Explain Radio interfaces in detail.   **8**

Either.

2. a) Explain spread spectrum in CDMA system in detail.   **8**

    b) What is Tunneling? Explain in brief.   **8**

OR

    c) Write note on   **8**
      i) IMT – 2000   ii) I-MODE

    d) Explain in brief packet delivery.   **8**

Either.

3. a) Write a note on data caching.   **8**

    b) Explain selective tuning and indexing techniques.   **8**

OR

    c) What are the different issues related to quality of services. Explain it.   **8**

    d) Explain transactional model in brief.   **8**

Either.

4. a) Write a note on mobile Ad-hoc network.   **8**

    b) Explain wireless LAN (WIFI) architecture.   **8**

OR

    c) Explain the following.   **8**
      i) Mobile agent.   ii) Gateways.

    d) Explain wireless sensor networks.   **8**

5.   Attempt all the questions.

    a) What is mobility management? Explain it.   **4**

    b) Explain in short handled devices.   **4**

    c) Write a note on Database hoarding.   **4**

    d) Explain WAP 2.0 architecture.   **4**

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