AK-118

April-2023

Integrated M.Sc. (CA & IT), Sem.-VIII

Mobile Computing

Time : 2:30 Hours]   **[Max. Marks : 70**

1. Answer the following :   **14**
   (1) What is signal propagation effect ? List out effect and explain any two in detail.   **7**
   OR
   Explain cellular system with advantage and disadvantage.   **7**
   (2) What is spread spectrum ? Explain types of spread spectrum.   **7**

2. Answer the following :   **14**
   (1) Explain GSM Architecture.   **7**
   (2) Explain Localisation and calling.   **7**
   OR
   Explain Mobile terminated call and Mobile originated call in detail with appropriate figure.   **7**

3. Answer the following :   **14**
   (1) Explain protocol architecture of Bluetooth with figure.   **7**
   (2) Explain infrastructure and ad-hoc based network of WLAN in detail (with figure).   **7**
   OR
   Explain Wireless Sensor Network (WSN) with advantages and disadvantages.   **7**

4. Answer the following :   **14**
   (1) Explain registration Process in Mobile IP.   **7**
   (2) Explain traditional TCP in detail.   **7**
   OR
   Explain classical TCP improvements in detail.   **7**

5. Answer the following :   **14**
   (1) Explain Wireless Application Environment (WAE) with its components.   **7**
   (2) What is phonegap ? Write advantages and application of phonegap in detail.   **7**

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