**6 X 2 =12M**

1. Explain Sum and difference patterns and their synthesis. **[C421.1; TL: Knowledge]**
2. What are the various functional blocks in GSM architecture? Explain Network

Switching Subsystem. **[C421.1; TL: Knowledge]**

3. What are the different types of handoffs? Explain how to implement them? **[C421.1; TL: Knowledge]**

4. Explain about handoff initiation and intersystem handoff. **[C421.1; TL: Knowledge]**

5. Explain about Architecture of 3G cellular system. **[C421.1; TL: Knowledge]**

6. Explain about high gain antennas. **[C421.2; TL: Knowledge]**

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Explanation-4 marks

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