

D 90260

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**SEVENTH SEMESTER B.TECH. (ENGINEERING) (09 SCHEME)  
DEGREE EXAMINATION, NOVEMBER 2015**

**IT 09 706 L21—BLUETOOTH TECHNOLOGY**

Time : Three Hours

Maximum : 70 Marks

**Part A**

*Answer all questions.*

1. How secure is a Bluetooth network ?
2. Why this technology called as Bluetooth ?
3. What is the range of Bluetooth transmitter/receivers ?
4. What is Frequency-Hopping Spread Spectrum (FHSS) ?
5. Explain briefly about QOS management.

(5 × 2 = 10 marks)

**Part B**

*Answer any four questions.*

6. Explain about the Bluetooth SIG importance.
7. What are all the applications of Bluetooth technology ?
8. Discuss about device address system timing.
9. Briefly explain about Pico net.
10. Explain in detail about L2cap signaling.
11. Explain in detail about generic profiles.

(4 × 5 = 20 marks)

**Part C**

*Answer all questions.*

12. (a) Discuss about qualification technology and management basics.

*Or*

- (b) Explain RF communication in detail and compare with Bluetooth technology.

13. (a) Explain about symbol timing, power emission and control of RF communication.

*Or*

- (b) Explain about transmitter and receiver characteristics of Bluetooth radio layer.

14. (a) Discuss about LMP name represent and test modes.

*Or*

**Turn over**

- (b) Explain about LMC link set up and quality of service.
- 15. (a) Explain about serial and object exchange profiles.

Or

- (b) Discuss about the security modes and architecture.

(4 × 10 = 40 marks)