G 1672

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Reg. No..................................

Name......................................

B.TECH. DEGREE EXAMINATION, MAY 2015

Eighth Semester

Branch : Computer Science and Engineering

CS 010 804 L06 – ADVANCED NETWORKING TRENDS (Elective III) [CS]

(New Scheme – 2010 Admission onwards)

[Regular/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer **all** *questions.*

Each question carries 3 marks.

1. List out the Merits and Demerits of Ethernet.

2. Draw the ATM virtual path connection.

3. State Pros and Cons of infrared in health clinic.

4. Draw neat diagram of full mesh topology.

5. What are the factors of quality of service?

(5 × 3 = 15 marks)

Part B

Answer **all** *questions.*

Each question carries 5 marks.

6. State and explain about CSMA.

7. Explain about ATM protocol architecture.

8. Compare and Contrast of Infrared and Radio transmission.

9. Distinguish between Wired and Wireless Mesh.

10. Mention the various issues in sensor networks.

(5 × 5 = 25 marks)

Turn over

Part C

Answer **all** *questions.*

Each question carries 12 marks.

11. Explain in detail about the Gigabit Ethernet.

Or

12. Explain in detail about various transmission channels and interfaces of ISDN.

13. Elaborate about BISDN reference model.

Or

14. What are the Steps involved in ATM addressing? Explain it.

15. Briefly explain the Adhoc network Infrastructure.

Or

16. Explain in detail about Physical and MAC layer of Bluetooth.

17. Define Mesh Network. What is the function and necessity of mesh?

Or

18. How would you rate Heterogeneous mesh networks?

19. Explain the architecture of Sensor Network Architecture.

Or

20. Discuss about the recent trends in infrastructure less networks.

$(5 \times 12 = 60 \text{ marks})$