

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014**Eighth Semester**

Branch : Computer Science and Engineering/Information Technology

ADVANCED NETWORKING TRENDS – Elective III (R, T)

(Old Scheme – Prior to 2010 Admissions)

[Supplementary/Mercy Chance]

Time : Three Hours

Maximum : 100 Marks

Part A*Answer all questions.**Each question carries 4 marks.*

1. What is Gigabit Ethernet?
2. What are the transmission medium options for Fast Ethernet?
3. Write a note on ISDN interface.
4. Compare narrowband ISDN with broadband ISDN.
5. List the four service classes of ATM adaptation layer.
6. Write a note on signalling adaptation layer.
7. What are the requirements for a satellite to be geostationary?
8. What does VSAT stand for? For what are VSAT is used?
9. Mention the unique features of wireless LAN.
10. Write a note on adhoc network.

(10 × 4 = 40 marks)

Part B*Answer all questions.**Each question carries 12 marks.*

11. What is SONET? Explain SONET multiplexing in detail.
Or
12. What is CSMNCD? Explain.
13. What is ISDN? Write an explanatory notes on channels on ISDN.
Or
14. Explain B-ISDN architecture in detail.

Turn over

15. Name the ATM layers and their functions.

Or

16. Describe the ATM addressing format.

17. What are the three categories of satellites? Explain the Geostationary satellites in detail.

Or

18. Explain the applications of Satellites in detail.

19. Describe the architecture of IEEE 802.11.

Or

20. Explain Bluetooth protocol stack.



(5 × 12 = 60 marks)