

Data Communications CS420/520
Fall 2000

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Final Exam

Name: _____ Student ID: _____

This is an *closed* book, *closed* note exam. You may use a calculator but **no computers**. Show **ALL** your work to get full or partial credit for the problem. You have 1 hour.
Make sure you have **7 questions!**

Problem	Total	-Points
1	15	
2	13	
3	18	
4	17	
5	13	
6	14	
7	10	
Total:	100	

1. (15 pts) Circle the correct response(s). (Note that **there might be more than one correct answer** - so indicate all of them). Each part is worth 3 points.
- a) The ISO layer responsible for providing connection management, and reliable end-to-end user service is:
- i) Network Layer
 - ii) Transport Layer
 - iii) Session Layer
 - iv) Presentation Layer
 - v) Application Layer
 - vi) None of the Above
- b) Which statements about ATM are true?
- i) The maximum frame size is 64k bits
 - ii) All frames have the same size of 53 bits
 - iii) LAN Emulation and IP over ATM support internetworking with legacy LANs
 - iv) The network switch is an integral part of the ATM design
 - v) The most common data rates are 10Mbps and 100Mbps.
 - vi) None of the Above
- c) The internet architecture includes?
- i) Exterior gateways
 - ii) Interior gateways
 - iii) Subnet routers
 - iv) Networks
 - v) Subnetworks
 - vi) All of the above
- d) What describes the features of a smart hub:
- i) Ethernet switching
 - ii) Internet fragmentation
 - iii) Managed ports
 - iv) Security features
- e) What protocol(s) address multi-service (multimedia):
- i) FDDI-II
 - ii) ATM
 - iii) TCP
 - iv) None of the above

v) All of the above

If you *don't* want the grades posted just *leave the next field blank*.
