1	教学班号		姓名		学号:	
3	16 (6(2)	j	varminsible for e	nd to end	ismarkication.	

1.11 According to 1501052, layer is responsible t 12) Consider building a CSMA/CD network running at 10mbps over a 1-km cubb with no repeaters. The signal speed in the is 20000 km/sec. The minimum frame size is ___

13) suppose that x bits of user data are to be transmitted over a k-hop path in packet-switched network a series of packets , each containing p data bits and h header bits, with x >> pth. The bit rate of the

is b bps and the propagation delay is negligible. The total delay is _

(4) An example of digital modulation is shown as following figure:

These signals represent bit stream. 15) There are three major classes of routing algorithms, they are ___, __ and __

6.112.0/21, and I7.6.120 0/21. If all of them use the same, outgoing line, they can be aggregated 4

171 RIP use ___ algorithm to compute the "best" rante.

18 In 10P, the size of the send window is the _ of receive and congestion windows.

(9) ____ is primarily used for mapping host names and e-mail destinations to 2P address.

2.111 The __ is a set of prinitives (operations) that a layer provides to the layer above it

A service B interface c.protocol D architecture

(2) In ___, resources are allocated on demand.

A packet switching B. circuit switching Coline switching D. frame switching

(3) A network uses a signaling speed of 15. MHz and requires three twisted pairs. In each twisted pairs it sends ternary digits with three different voltage levels. The bit rate of this network is _ 4.25 Mbps B. Sombps C. 75 Mbps D. 100 mbps.

14) The MAC protocol for Ethernet is __

A. Ethernet B. CSMA C. CSMA/CD D. CSMA/CA

(5) Suppose you are designing a sliding window protocol for a 1-mbps point-to-point link to the moon, which has a one-way latency of 125 seconds. Assuming the each frame carries I KB of data, what is the minimum number of bits you need for the segmence number?

16) You want to improve network performance by increasing the bandwidth available to hoses and

limit the size of the broadcast domains . — will achieve this goal

A Manage hubs B. Bridge C. Switches D. Switches configure with VLANS.

17) A router has two processes inside it one of them is responsible for filling in and updating the routing tables. This process is -A routing B. forwarding C. processing D. quening

8) BGP messages are exchanged using - protocol.

A ICMP B.TCP C.UDP D.ZP

(9) If you want to find the number of ronters between a conrice and destination on Windows, an utility to be used is—

4 route B. isconfig C. if config D. tracert

1191 For the network in Figure 1, the constraint — on x and y grarantees traffic the code from B to C will always flow through node L).

11 xy 4

12 xy 4

13 xy 4

14 code C. y+ x < 4

15 the lines C. y+ x < 4

D. XC9

3. 11) Network layer protocols must be defined in every router

(2) Given the CRC coding bits 101110001 and generator 1001, no error is detected

(3) Internet transport-layer potocols provide delay and bandwidth gnarantees

(4) In cut-through switching, frame are forwarded from input to output ports

before they are received in their entirety

Figure 1.

4. For the network in Figure 2, give the untents of the forwarding table of these Ethernet switches (assume that these are 2222 802.1 transparent bridges). Assume that all