

Computer Networks II

Course 17/18 :: Clickers (extra)

Escuela Superior de Informática



This test has 15 questions totalling 15 points. Every three wrong test answers 1 point will be substracted. Only one option is correct. Calculators are not allowed. The duration of this exam is 20 minutes.

Regarding the ANSWER SHEET:

- Fill in your personal data in the form above.
- Enter Computer Networks II in the field EVALUATION.
- Indicate your ID in the side box (also marking the corresponding cells).
- Check the box «3» in the TYPE OF EXAMINATION box.

Check your answers only when you are completely sure. The scanner does not support corrections or deletions of any kind, will automatically cancel them. Debit only deliver the answer sheet.

1 [1p] Host A sends a segment to B including window=0	. What will happen next?	
a) A notifies keep alive or disconnection timeout.		
 b) A will send a new segment with a different windo c) B sets cwnd to half of ssthresh. 	w size.	
d) A waits for new ACKs before to sent again.		
2 [1p] What is the size of the sender congestion window?	,	
a) Larger than rwnd.	c) Equal to the sender buffer size.	
b) Lower or equal than rwnd.	d) Equal to the receiver buffer size.	
3 [1p] What does <i>window</i> TCP header field mean?		
[1p] What does <i>window</i> TCP header field mean? a) Payload length (in bytes) of the segment.		
b) Received segment payload length (in bytes).		
c) Amount of data the receiver is willing to receive.		
d) Amount of data the sender is willing to receive.		
4 [1p] Which of these TCP features is already in UDP?		
a) Connection and disconnection.	c) Multiplexing.	
\Box b) Flow control.	d) Lost data retransmission.	
5 [1p] What is right in relation to flow control?		
a) Avoids network saturation.	c) Identifies output interfaces on switches.	
b) Avoids the output router queues get full.	d) Avoids saturation for slow receivers.	
6 [1p] Which parameters can NAPT modify?		
a) Destination IP only.		
b) Source and destination IP only.		
c) Destination port only.		
d) Source and destination IP and source and destination ports.		
[1p] What is the motivation to use NAT?		
a) To fix a bug in the TCP protocol.	c) Lack of public IP address.	
b) To fix a bug in the IP protocol.	d) To simplify the length of the routes.	
8 [1p] What is a tunnel?		
a) A place to drop packets.		
b) A network security vulnerability.		
c) A way to encapsulate packets and forwards them to other place.		
d) A way to manage hidden traffic outside your network.		

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9 [1p] Which of the following is not a solution to the cou	int-to-infinity problem?
a) Define infinity	C) Split horizon
b) Adding sequence numbers	☐ d) Split horizon and poison reverse
 [1p] What problem solves hierarchical routing a) Inefficiency due to the growth of the routing table b) Selective sending to a group of nodes c) Calculation of longer routes d) Calculation of shortest routes 	es
11 [1p] In link state-based routing, how the latency to ne	eighbors is estimated?
a) HELLO packets	C) OSPF packets
b) ECHO packets	d) RIP packets
12 [1p] Which of the next strategies is not oriented to say	ve IP addresses?
\square a) NAT	C) Subnetting
□ b) DHCP	d) Switching
13 [1p] What do you need to compute the address space	of a given address block?
a) The number of bits of the address	\Box c) The first address of the block
b) Any address of the block and the mask	☐ d) The mask
14 [1p] Which CIDR mask would you use if you have a	mask 255.240.0.0?
a) /12	□ c) /16
□ b) /14	□ d) /24
15 [1p] Which of the following protocols is not included	into ICMPv6?
☐ a) ICMPv4	□ c) IGMP
□ b) ARP	d) RARP

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