



TECNOLÓGICO
NACIONAL DE MÉXICO



INSTITUTO TECNOLÓGICO DE CANCÚN

**INGENIERÍA EN
SISTEMAS COMPUTACIONALES**

FUNDAMENTOS DE TELECOMUNICACIONES

NOMBRE DEL ALUMNO:

CHAN BURGOS JOSE REYES

HORARIO

LUNES A JUEVES

5:00 PM – 6:00 PM

PROFESOR

ING. ISMAEL JIMENEZ SANCHEZ



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LABORATORIO 5.

The screenshot displays the Wireshark network protocol analyzer interface. The top menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Telescope, Windows, Tools, and Help. Below the menu is a toolbar with icons for various functions. The main window is divided into three panes:

- Packet List:** Displays a list of captured packets. The first packet is a TCP segment from 192.168.1.100 to 192.168.1.101, port 80. The list includes columns for No., Source, Destination, Protocol, Length, and Info.
- Packet Details:** Shows the hierarchical structure of the selected packet. It includes Ethernet II, Internet Protocol Version 4, and Transmission Control Protocol. The TCP section shows the sequence number, window size, and other flags.
- Packet Bytes:** Displays the raw data of the selected packet in hexadecimal and ASCII.

The packet list shows a series of TCP segments, with the first packet being a SYN segment from 192.168.1.100 to 192.168.1.101, port 80. The packet details pane shows the structure of a TCP segment, including the Ethernet II header, Internet Protocol Version 4 header, and Transmission Control Protocol header. The packet bytes pane shows the raw data of the segment.

The screenshot displays the Wireshark network protocol analyzer interface. The top menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Windows, and Help. Below the menu is a toolbar with icons for common actions like opening files, saving, and zooming. The main window is divided into three panes:

- Packet List:** Shows a list of captured packets. The first packet is a "Standard query response" from 10.0.0.1 to 10.0.0.2, with a length of 73 bytes. It is a DNS response to a query for "www.pcpc.net".
- Packet Details:** Provides a hierarchical view of the selected packet's structure. It shows the "Standard query response" containing a "Query" and a "Response". The "Response" section is expanded, showing the "Query result" and "Query data".
- Packet Bytes:** Displays the raw data of the selected packet in hexadecimal and ASCII. The data starts with "0000 00 01 5c 31 01 04 05 64 x7 bf a3 00 00 43 00".

The "Packet Details" pane is currently showing the "Query result" section, which includes the "Query type" (Standard query response), "Query data" (Standard query response), and "Query result" (Standard query response). The "Query result" section is further expanded, showing the "Query result" and "Query data".



The screenshot displays a Wireshark capture of a network connection. The top toolbar includes standard application controls and network analysis tools. The packet list on the left shows a series of packets, with the selected packet (No. 2) being a SYN-ACK from 192.168.1.100 to 192.168.1.1. The packet details pane on the right provides a hierarchical view of the packet's structure, including the Ethernet II header, Internet Protocol Version 4 header, and the Transmission Control Protocol (TCP) segment. The TCP segment details show the source and destination ports (80), the sequence number (209.133.32.69), and the acknowledgment number (209.133.32.69). The packet bytes pane at the bottom shows the raw data of the selected packet, including the Ethernet II header, IP header, and TCP segment.

[illegible]