IE2004 - Computer Networks
Lab 03

Part 1

1. Sliit.lk

   A

   Yes

2. Iteratively

3. 202.12.27.33

   From its root hint file

4. M.ROOT-SERVERS.NET.

5. 6

6.

Domain name of server	IP address of server	Type of server	Query domain	Query type
M.ROOT-SERVERS.NET.	202.12.27.33	Root	lk	NS
h.nic.lk	128.10.2.5	TLD / ccTLD	sliit.lk	NS
S2.ns.slt.lk	203.115.0.18	autoreactive for sliit.lk	courseweb.sliit.lk	A

7. Root

   TLD / ccTLD

   autoreactive for sliit.lk

8. 1

   Courseweb.sliit.lk

9. 0

10. www.sliit.lk

A | Yes

11. Because the local DNS server has cached the NS record for sliit.lk from the previous resolution process for courseweb.sliit.lk. It can now query these autoractive name servers directly.

12. The authoritative server responds with a CNAME record, indicating that sliit.lk is an alias for d2mczv1ekomkgp.cloudfront.net.

13. The local DNS server must resolve the new domain name d2mczv1ekomkgp.cloudfront.net. It will initiate a new iterative resolution process for this CNAME, starting from the root server.