Tracking Exercise (DNS, SMTP, HTTP) 1/1 The local NS (Name Server) receives the IP addresses of the "root servers" via DHCP. A DNS client host gets the IP address of the local Name Servers via DHCP unless 🗸 An authoritative DNS server specifies all the names and their corresponding IP An authoritative DNS server specifies the MX RR (Resource Record) of all its 0/1 When resolving the same name at different times different IP addresses may be When resolving different names the same IP address may be obtained. The CNAME Resource Record (RR) contains the IP address of a name. More that one CNAME RR may point to the same name. Resposta correcta When resolving the same name at different times different IP addresses may be obtained. When resolving different names the same IP address may be obtained. More that one CNAME RR may point to the same name. 3. A local Name Server (DNS server) must resolve the name 0/1 xc.fib.upc.edu. All the DNS servers needed for the resolution do not have any information in their caches and the resolution gives the correct IP address. The NS uses UDP and source port 53. The NS will send three DNS Requests, at least. An access to the Root Server is required. Each of the DNS Responses the NS will get will contain an ARR (Resource Record), at least. Resposta correcta The NS will send three DNS Requests, at least. An access to the Root Server is required. Each of the DNS Responses the NS will get will contain an ARR (Resource Record), at least. 4. About SMTP. 1/1 SMTP may use either UDP or TCP. The SMTP server sends an status messages once the STMP client has send the QUIT command. The HELO command may include the name of the STMP client. In the SMTP message the Header and the Body is separated by a "." plus a blank line. 5. About SMTP. 1/1 The SMTP client MUA (Mail User Agent) uses the DNS MX RR (Resource Record) to obtain the IP address of the remote destination mail server The MTA (Mail Transfer Agent), also known as the SMTP server, uses the DNS MX RR to obatain the IP address of the remote destination mail sever. The SMTP client (MUA) uses the DNS MX RR to select the SMTP server from where to get the messages. The SMTP protocol may send more that one mail message in a single SMTP connection if the destination mail server is the same for all the messages. 6. About SMTP. 0/1 The user mail client MUA (Mail User Agent) must resolve the DNS MX RR (Resource Record). The user mail client may use SMTP for downloading the mail messages from its server. Some of the SMTP commands are: MAIL FROM, SUBJECT, DATA and QUIT. Two SMTP servers exchange mail messages using SMTP. Resposta correcta Two SMTP servers exchange mail messages using SMTP. 7. What is MIME used for? 1/1 Encoding binary objects in an SMTP message **Encoding non-ASCII information in DNS Encoding binary objecys in HTTP Encoding complex URL** 8. About MIME: 0/1

Base64 "transfer encoding" is used in HTTP for including binary objects Base64 "transfer encoding" is used in SMTP for including binary objects The Quoted-Printable "transfer encoding" is used in HTTP for sending text The Quoted-Printable "transfer encoding" is used in SMTP for sending text Resposta correcta Base64 "transfer encoding" is used in SMTP for including binary objects The Quoted-Printable "transfer encoding" is used in SMTP for sending text 9. About Charsets. 0/1 The family of ISO 8859 codes use a singe byte per character UNICODE defines a code of 4 bytes per symbol (character) UTF-8 uses a single character of 8 bits per character UFT-8 uses from one to four bytes per UNICODE symbol (character) Resposta correcta The family of ISO 8859 codes use a singe byte per character UNICODE defines a code of 4 bytes per symbol (character) UFT-8 uses from one to four bytes per UNICODE symbol (character) 10. About HTTP, proxies and caches. 0/1 The Etag option in the HTTP header is used to obtain the date the requested object (file) The Etag option in the HTTP header is used to check if the requested object (file) 🗸 has been modified. The conditional options if the HTTP header "Etag" and "If-Modified-Since" may be used by a user client if the object is already in its cache. The conditional options if the HTTP header "Etag" and "If-Modified-Since" may be 🗸 used by a proxy cache if the object is already in its cache. Resposta correcta The Etag option in the HTTP header is used to check if the requested object (file) has been modified. The conditional options if the HTTP header "Etag" and "If-Modified-Since" may be used by a user client if the object is already in its cache. The conditional options if the HTTP header "Etag" and "If-Modified-Since" may be used by a proxy cache if the object is already in its cache. 11. About HTTP. 0/1 An HTTP non-persistent connection may improve its performance if it uses "pipelining". An HTTP persistent connection may not use "pipelining". The header of a GET command may include the MIME types the client can accept. The HEAD command checks if the format of the obejct is correct. Resposta correcta An HTTP persistent connection may not use "pipelining". The header of a GET command may include the MIME types the client can accept. 12. About HTTP and HTML. 1/1 An HTTP client may send data to the server using the POST command.

The javascript code downloaded from the HTTP server is executed in the client. The use of proxy chache may reduce the page downloading time significantly. MIME may be used to include multimedia objects in a web page.

The DNS server may be provided by the ISP (Internet Service Provider) but the SMTP server must have an IP address of the organization's domain. The local NS (Name Server) cannot be placed in the private network. The DNS server may be provided by the ISP, the SMTP server may be provided by a third party, and the HTTP server may be provided by a hosting services company The IMAP, POP and SMTP servers must run in the same physical server Resposta correcta The DNS server may be provided by the ISP, the SMTP server may be provided by a third party, and the HTTP server may be provided by a hosting services company Family Name (Surname) \* Arriola Meikle

The DNS server, the SMTP server and the HTTP server of an organization must run in

0/1

13. About Application Protocols.

different physical server.

Name \*

Leo

Google Formularis