

Date:

17K-3730

Sec C.

Q1

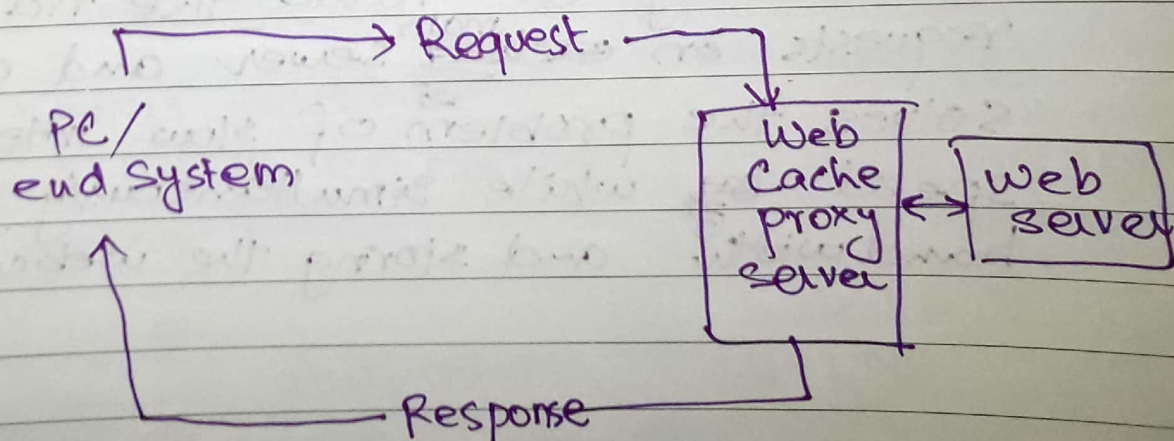
(A) (i) Solution to reduce response for web request.

"Web caching" can be solution to reduce the response time because it reduces the ~~into~~ traffic on the access link and the response time for client request is also reduced due to cache. It's also cost effective.

(ii)

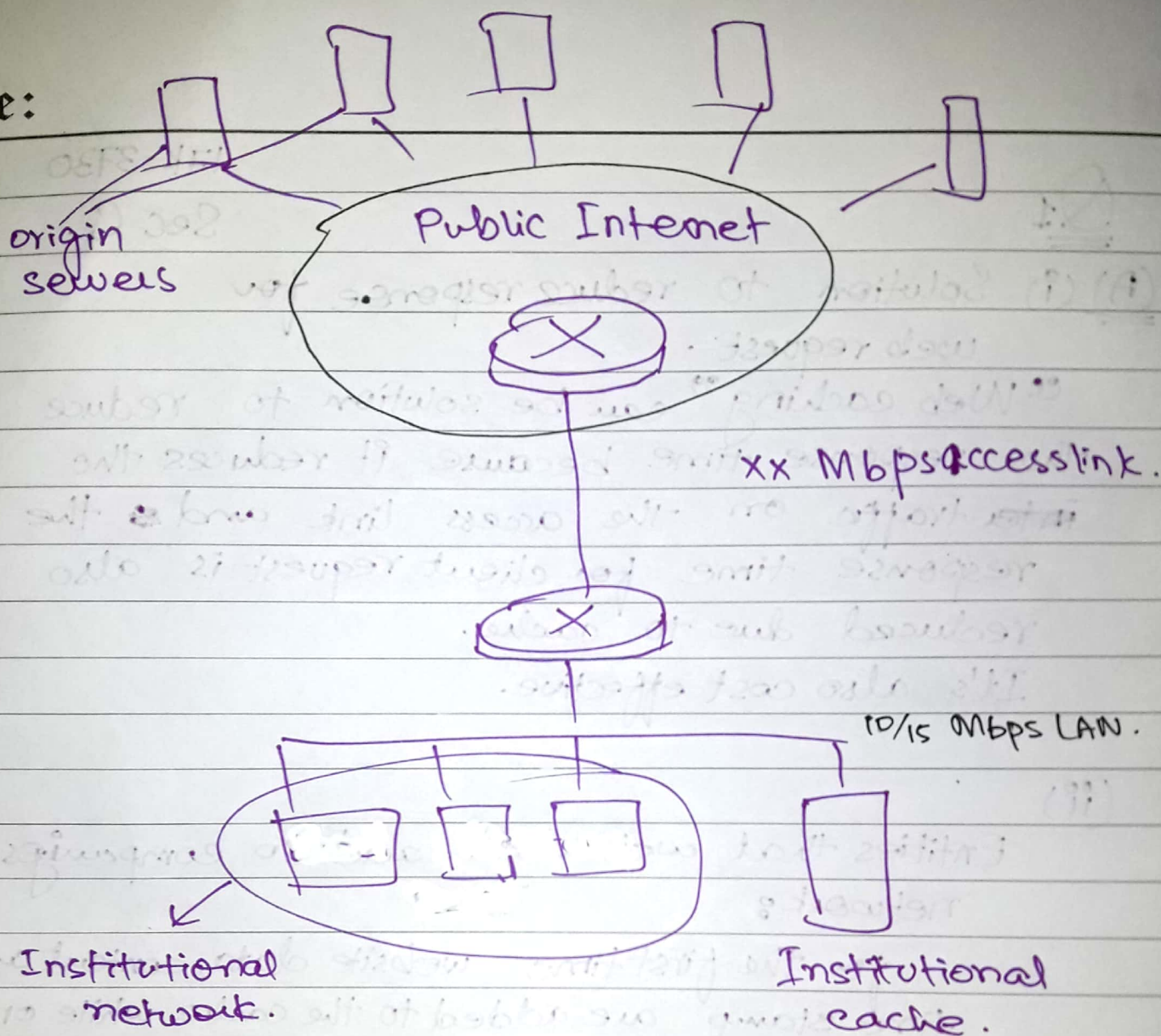
Entities that web cache add to companies network:

for the first time website data, content and time stamp are added to the cache, while on the next time browser will check the time stamp and compare it with the previous one. if the timestamp is latest the site data is accessed.





Date:



Q1

(b) The web caching is significant for huge internet provider due to the fact the caching can reduce the no. of requests on ~~each~~<sup>main</sup> server and also solves the problem of slow internet speed ~~by~~ while simultaneously saving the bandwidth and storing the web content.

Q2 8

(A) (i)

Load distribution among replicated servers.

DNS <sup>is</sup> ~~should be~~ suggested according to given scenario as it offers load distribution among replicated servers and therefore many IP addresses corresponds to one name. The whole process is known as "DNS Server load balancing"

(ii)

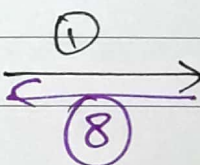
~~are~~ The small name can be :

(reply1.mehran.com.pk, MX, TTL)

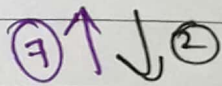
~~Server name: reply1.mehran~~

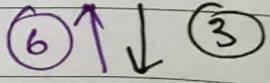
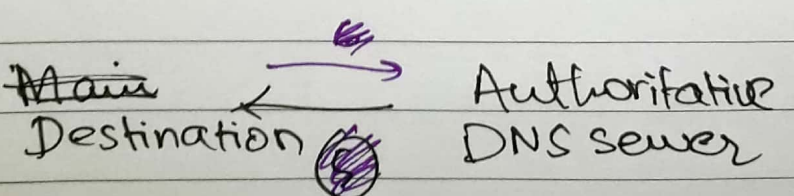


↑ ~~Type~~  
mail exchange record from DNS.

(B) (ii)

requesting the host  local DNS server

These servers would be involved while accessing the website :

  
Goto the root DNS server

  
  
Main Destination  Authoritative DNS server  TLD DNS server



Date:

Q (i) The domain name has to be registered ~~to get access the to the~~ on a domain name server.

DNS server is used along with web server to fulfil requirement.