WWW – Tutorial Unit 2 – WT 2010

1. Which are the four layers of the Internet Protocol Suite?
2. Which of those four layers is addressed by the HTTP protocol?
3. Explain the relationship between URIs and HTTP.
4. Explain the relationship between HTTP and HTML/XHTML.
5. Can HTTP be used to transfer representations in formats other than HTML?
6. What is the relationship between a URI, a resource, and a representation in HTTP terminology?
7. Which are the two types of HTTP messages?
8. Explain the individual parts of the HTTP message on slide 20.
9. Explain the individual parts of the HTTP message on slide 21.
10. How will an HTTP/1.1-compliant server react if you use a „host“ parameter in combination with an absolute URI?
11. Explain the interplay between the HTTP protocol and the DNS when a client fetches a Web page.
12. If a client tries to dereference a URI Reference (i.e. one including a hash fragment), will the server be aware of the hash fragment?
13. Explain the GET, HEAD, and POST methods of HTTP/1.1.
14. Explain the role of status codes in HTTP.
15. Explain the role of media types in the context of HTTP content negotiation.
16. Use cURL to display the response header of the URI http://www.heppnetz.de/
17. Same as before, but express that you are interested in the representation only if it was modified after Jan 1, 2010.
18. Same as before, but try to fetch a representation in application/rdf+xml for the URI http://www.heppnetz.de/ontologies/goodrelations/v1