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Overview

- Overview of Course Content
- Exam details
- Revision Multiple Choice Questions

Course Content

- Web enabling infrastructure
 - Networking basics
 - transmission media
 - · local communication (encoding data + LANs)
 - · long distance comms (modulation + modems)
 - TCP/IP protocols
 - Protocol design
 - Overview of TCP/IP
 - · IP addresses and domain names
 - · Client server paradigm, Web browsers and servers, URLs, MIME types, HTTP protocol

Course Content

- Mark-up languages
 - XTHML
 - Syntax
 - · Basic text markup
 - Images
 - Hypertext links
 - Lists
 - Tables
 - Forms Frames
- XML Syntax
 - Document Type Definitions
 - Namespaces
 - · Displaying XML documents
 - XML Processors

Course Content

- Web document presentation
 - CSS
 - · Levels of style sheets
 - · Selector forms
 - · Property value forms
 - · Examples of properties
 - Web design
 - Website design (information structure + navigation)
 - · Webpage design (text, graphics, audio, video)
 - · What NOT to do
 - · Top 10 Mistakes of Web Design
 - Web pages that suck
 - Web Accessibility

Course Content

- Client side scripting
 - JavaScript
 - Syntax
 - Dynamic XHTML
- Server side scripting
 - Overview of SSI, CGI Perl, Java Servlets, ASP NET
 - PHP in more detail
 - Database access with PHP

Coursework

- 25% of final mark
- Marks and feedback sheet will be available from the school office
 - I will email when marks are ready
 - Certainly available by first day of new term (4 May)
 - Also winning website will be announced

• • Exam

- 2 hours
- Answer 3 out of 5 questions
 - Each of these questions focuses on a particular topic
 - · Web enabling infrastructure
 - · Mark-up languages
 - · Web document presentation
 - · Client and server side scripting

• • | Exam

- Material from all lectures examinable
- There will be questions only on material we have covered in lectures
 - However in the lecture notes there may be just a few bullets or a diagram
 - If you have not been taking notes it may be necessary to consult the suggested further reading in order to understand the topic better and be able to provide full answers

Past Exam Papers

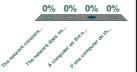
- Available from the portal
 - use the Library Tab to search for Exam Papers
 - 2006-2007
 - 2007-2008
 - 2008-2009
- Sample exam paper

http://www.crg.cs.nott.ac.uk/~bnk/Teaching/WPS/G51W PS0607Sample.pdf

(created when module first established)

Which of the following statements is **true** about a network laid out using a **bus** topology?

- A. The network consists of a closed loop of computers
- The network does not require any coordination by software
- A computer on the network can directly send data to any other computer on the network
- If one computer on the network fails then the entire network fails



Which of the following is **not** true about the CSMA/CD protocol used by Ethernet networks?

A. CSMA/CD is used to sense the state of the carrier

B. CSMA/CD prevents simultaneous transmissions

C. CSMA/CD prevents computers from interrupting ongoing transmissions

D. CSMA/CD is used to detect packet collisions

