UNIVERSITY OF LONDON

GOLDSMITHS COLLEGE

B. Sc. Examination 2008

INFORMATION TECHNOLOGY

IS52019A (IT226)
Introduction to Interactive Applications and Website Design

Duration: 2 hours

Date and time:

- *The examination lasts for 2 hours. Remember to SAVE your work REGULARLY in the allocated folder IT226exam.*
- *No documents, notes or books are allowed during the examination.*
- *No Internet connection is permitted.*
- ***You MAY NOT touch any other files in your filespace while working on the examination. Automated records of file access will be kept during the period of the examination.***
- There are 75 marks available on this paper.

THIS PAPER MUST NOT BE REMOVED FROM THE EXAMINATION ROOM

Practical task

Here is some JavaScript code. You have been given it as a .js file in your filespace.

```
window.onload = newWinLinks;

function newWinLinks() {
    for (var i=0; i<document.links.length; i++) {
        if (document.links[i].className == "newWin") {
            document.links[i].onclick = newWindow;
        }
    }
}
function newWindow() {
    var winName = this.id + "Win";
    var myWindow =
window.open(this.href,winName,"width=135,height=165");
    myWindow.focus();
    return false;
}
```

a) Create three basic xhtml web pages named *webpage1*, *webpage2* and *webpage3*.
They should have the following properties, using CSS where appropriate:
They should have the title "IT226 Exam 2008".
The background should be set to white.
The text should be black, sans-serif.
Link colour should be red; active link colour should be green, visited link colour should be blue.

[25 marks]

b) Use the JavaScript code you have been given to create two links on *webpage1* that lead to *webpage2* and *webpage3*.   [15 marks]

c) When the user visits *webpage2* and *webpage3* provide them with an alert box to notify them that they have arrived at a new page.   [10 marks]

d) The content of *webpage2* should answer this question: what does the JavaScript code do and how does it do it?   [15 marks]

e) The content of *webpage3* should answer this question: give four examples of things that client-side scripting can do and four examples of things it cannot do.
[10 marks]