NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMUNICATION AND INFORMATION SCIENCE
DEPARTMENT OF JOURNALISM AND MEDIA STUDIES
ADVANCED INFORMATION TECHNOLOGY: (IJM 1206)
MAY 2006 EXAMINATION
TIME ALLOWED: 3 HOURS

INSTRUCTIONS TO CANDIDATES

1. Section A is **compulsory.**
2. Answer **any two** questions from section B.
3. Start each answer on a new page.
4. Poor spelling and grammar will be penalised.

SECTION A: COMPULSORY

Question 1

a) Write the HTML code that displays the following table and clickable e-mail links for members of staff.

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY		
JOURNALISM AND MEDIA STUDIES STAFF MEMBERS E-MAIL LIST		
smatenda	cmuneri	hmabweazara
gdube	vmaphosa	eburkett

The staff e-mail addresses are as follows:

smatenda@classicmail.com   vmaphosa@ipod.au
cmuneri@executivemail.org   gdube@nhlanganiso.dube.co.zw
hmabweazara@mweb.co.za   eburkett@bloger.net

[20 marks]

b) i)   What image formats are supported by most browsers?   **[3 marks]**
    ii) What are the basic requirements to design web pages in HTML?   **[4 marks]**

c) Define the following HTML tags
   i) <FRAMESET COLS = "25%, 75%">   **[2 marks]**
   ii) <BLOCKQUOTE>   **[2 marks]**
   iii) <UL>   **[2 marks]**
   iv) <TD>   **[2 marks]**

d) Define URL and give an example.   **[5 marks]**

e) Discuss the current design trends of online newspapers   **[20 marks]**
                                                               TOTAL: [40 marks]

SECTION B: ANSWER ANY TWO

Question 2

i) What are the key features of QuarkXpress that makes it a desired DTP software for
    journalists?
                                                                           [10 marks]
ii) Which database application programme will you recommend for a community radio
    station, stating how you would utilize it to assist producers?   **[10 marks]**
                                                               TOTAL: [20 marks]

Question 3

i) Define Weblogging.   **[4 marks]**
ii) What are the major benefits of weblogging to citizens?   **[10 marks]**
ii) List three steps taken to create a blog.   **[6 marks]**
                                                               TOTAL: [20 marks]

Question 4

A local NGO has requested you to design an AIDS awareness brochure. What are the major
design factors will you consider?   **[20 marks]**

Question 5

What are good and bad design factors that must be considered when designing a website?
                                                                           [20 marks]

Question 6

Discuss the extent to which Information and Communication Technologies (ICTs) have
enhanced the provision and production of news in Africa?   **[20 marks]**