JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE & TECHNOLOGY

UNIVERSITY EXAMINATION 2013/2014
THIRD YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF BUSINESS ADMINISTRATION
(KISUMU LEARNING CENTRE)

COURSE CODE: SCS 306

TITLE: INTERNET COMPUTING

DATE: DECEMBER 2013

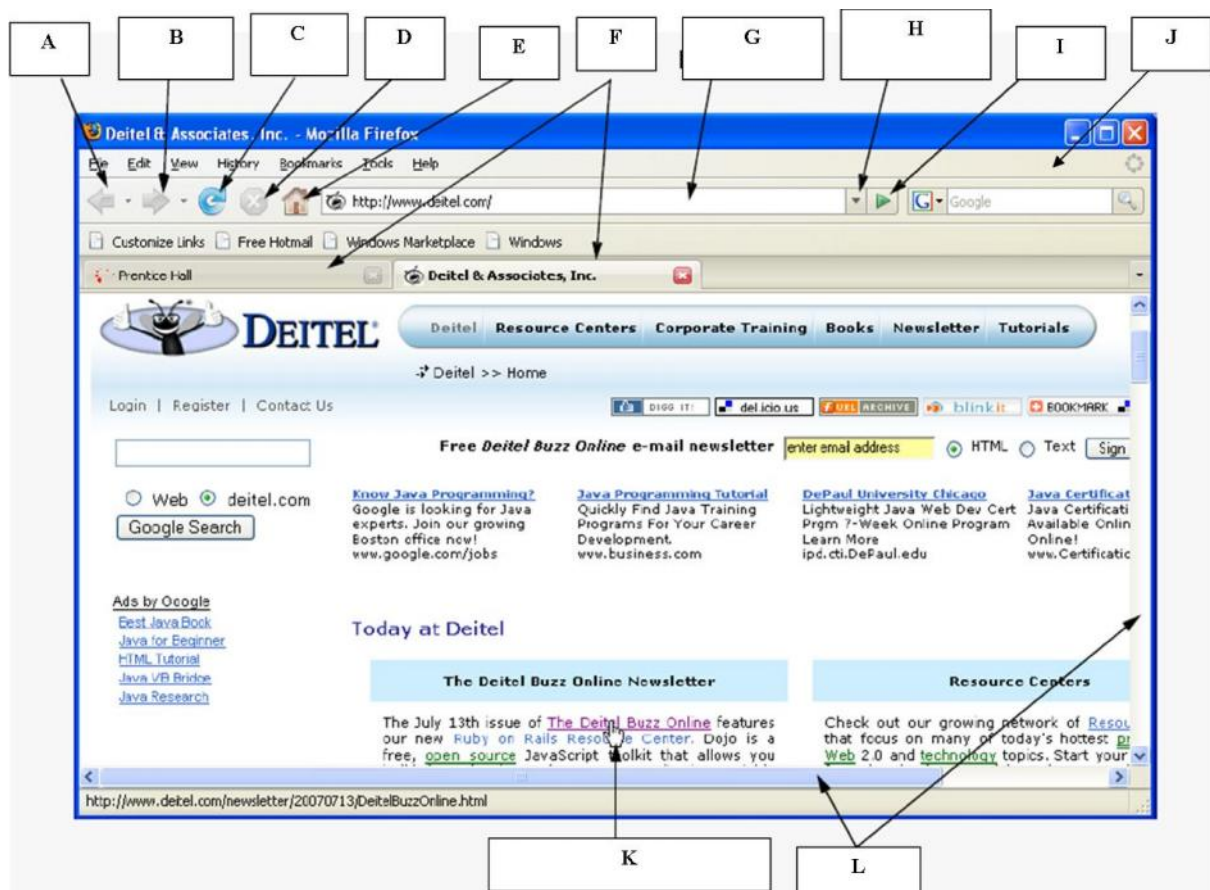TIME:DURATION: 3HOURS

INSTRUCTIONS

1. This paper contains FIVE (5) questions.

2. Answer question 1 (compulsory) and ANY other 2 qiestions.

3. Write all answers in the booklet provide.

Question one (30 marks):

A) Gemsafe Ltd is a printing press company and it is planning to set up internet in all its department so as to improve CRM and service delivery. Explain any **five** internet costs the company is likely to incur **(10 marks)**

B) What is ISP and name any **four** ISPs **(3 marks)**

C) Describe **two** methods of viewing e-mail messages. **(2 marks)**

D) Name and explain**five** requirements for connecting to the Internet? **(5 Marks)**

E) What is XML? How it is different from HTML? **(5 marks)**

F) Name the HTML elements? **(2 marks)**

G) What is the difference between TCP and UDP? **(3 marks)**

Question two (20 marks)

A) (i) What is Search Engine? **(2 marks)**
   (ii) Describe any **five** all purpose search engines? **(5 marks)**

B) (i) What is a Web browser? **(2 marks)**
   (ii) Name any **four** web browsers you know? **(2 marks)**
   (iii)The diagram below shows one of the web browser, study it and name the parts marked **A, B, C, D, E, F, G, H, I, J, K and L** **(4 marks)**

C) With the aid of a diagram explain client server networking? **(5 marks)**

Question three (20marks)

A) Briefly explain the following   **(6marks)**
(i)   JSP
(ii)   W3c
(iii)   URL
(iv)   WWW
(v)   TLD
(vi)   ARPANET

B) (i) What is HTML?   **(1 mark)**
   (ii)   Write a basic HTML codes which displays the word "Hello world!" in the
           body and has a title "student page".   **(2 marks)**
   (iii)   What is the purpose of DOCTYPE declaration in HTML programming?
                                                                      (2 marks)

C) Explain/show the result of the following HTML codes/tags in a web browser
                                                                      (9 marks):
   (i)   <h1>Level 1 heading</h1>
            <h2> Level 2 heading </h2>
            <h3> Level 3 heading </h3>
            <h4>Level 4 heading</h4>
            <h5> Level 5 heading </h5>
            <h6> Level 6 heading </h6>   **(1 mark)**

   (ii)   index   **(1 mark)**

   (iii)
                                                                      (1 mark)

   (iv)   <hr>   **(1 mark)**

   (v)
            Mary
            John
               (1 mark)

   (Vi)
            Mary
            John
               (1 mark)

   (vii)   <table border="1">
            <tr>
            <td>row 1, cell 1</td>
            <td>row 1, cell 2</td>
            </tr>
            <tr>
            <td>row 2, cell 1</td>

```
            <td>row 2, cell 2</td>
            </tr>
            </table>                                    (2 marks)
```

(viii) <form>
```
            First name: <input type="text" name="firstname" /><br />
            Last name: <input type="text" name="lastname" />
            </form>                                      (1 mark)
```

Queation four (20 marks)

A) (i)   Distinguish File Upload and Down Load?   **(2 marks)**

(ii)   Write short notes on LAN and WAN?   **(4 marks)**

(iii) What is a Protocol in internet computing and what does it determine?

(3 marks)

(iv)   Give both the similarity and the difference between HTTP and FTP

(2 marks)

(v)   With the aid of a diagram discuss any three network topologies/configurations?

(9 marks)

Question five (20 marks)

(A) (i) Highlight **four** fundamental objectives of information security?   **(4 marks)**

(ii) Discuss **three** basic security attacks in internet computing   **(3 marks)**

(iii) Highlight advantages of JavaScript in web technology?   **(3 marks)**

(B) (i) Define CGI?   **(1marks)**

(ii) List the advantages of CGI scripting?   **(2 marks)**

(C) (i) A web server is a piece of software that enables a website to be viewed using HTTP. Discuss some advantages of using a web server within your development environment?   **(3marks)**

(ii) Whenever you view a web page on the internet, you are requesting that page from a web server. When you type a URL into your browser your browser requests the page from the web server and the web server sends the page back, with the aid of a diagram support this statement.   **(4 marks)**