THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

JANUARY – APRIL 2015 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

REGULAR PROGRAMME

DIT 007: INTERNET TECHNOLOGY

Date: April 2015	Duration: 2 Hours
INSTRUCTIONS: Answer Question ONE and ANY OTHER TWO Questions	

Q1.   a)   What do the following acronyms stand for:
   i)   HTTP
   ii)   HTML
   iii)   W3C
   iv)   FTP   **(4 marks)**

   b)   Distinguish between the following, giving examples:
   i)   Start tags and end tags   **(2 marks)**

   ii)   <b> tag and <strong> tag   **(2 marks)**

   iii)   Telnet and SSH   **(2 marks)**

   c)   State the significance of the following tags and attributes:
   i)   <P Align=center>   **(1mark)**

   ii)   <P NOWRAP>   **(1 mark)**

   iii)   <sup>   **(1 mark)**

   iv)
                                         (1 mark)

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d)   Create a simple email link such that when a user clicks on it, an email message addressed to you opens. Ignore the doctype.   **(3 marks)**

e)   Explain the importance of the various tags, attributes and values in the following exhibit.

   (4 marks)

f)   Compare the GET and POST methods of transmitting data to a server from client.   **(2 marks)**

g)   Explain **TWO** limitations of using frames in designing of websites.
   (4 marks)

h)   Identify the **THREE** basic parts of a style syntax as used in cascading style sheets.   **(3 marks)**

Q2.   a)   Discuss the advantages and shortcomings of each of the following methods of adding CSS in a website (web page)

      i)   In-line styles   **(5 marks)**

      ii)   Document styles   **(5 marks)**

      iii)   External styles   **(5 marks)**

b)   State the function of the following pseudo-classes.

a:active	**(1 mark)**
a:visited	**(1 mark)**
:hover{font-size:150%}	**(2 marks)**
:Focus	**(1 mark)**

Q3.   With illustrations, show how you would include into a html page
    a)   Unordered lists   **(5 marks)**
    b)   Ordered lists   **(5 marks)**
    c)   A table with atleast the following features:
      i)   Caption   **(2 marks)**
      ii)   2 rows and 3 columns   **(3 marks)**

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| iii) | Table header | **(2 marks)** |
| iv) | Different background colours for the rows | **(3 marks)** |

Q4. a) Describe the history of internet. **(5 marks)**

b) Explain the use and operation of the following internet applications.
   i) WWW in education and e-commerce sectors. **(7 marks)**

   ii) Telnet **(4 marks)**

   iii) Blogs and wikis **(4 marks)**

Q5. a) What is the purpose of the following form elements/tags?
   i) <form>
   ii) <form method>
   iii) <form action>
   iv) <input type>
   v) <hidden>
   vi) <label>
   vii) input maxlength="30" **(14 marks)**

b) Explain the significance of the following features used in frames:
   i) frameset cols="110,*" **(2 marks)**

   ii) <noframes> **(2 marks)**

   iii) framename **(2 marks)**

END

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