GARISSA UNIVERSITY COLLEGE

(A Constituent College of Moi University)

UNIVERSITY EXAMINATION 2016/2017 ACADEMIC YEAR <u>ONE</u> <u>SECOND</u> SEMESTER EXAMINATION

SUPPLEMENTARY/SPECIAL EXAMINATION

SCHOOL OF INFORMATION SCIENCE

FOR THE DIPLOMA INFORMATION TECHNOLOGY

COURSE CODE: DIT 007

COURSE TITLE: INTERNATE DESIGN

EXAMINATION DURATION: 3 HOURS

DATE: 27/09/17   **TIME: 02.00-05.00 PM**

INSTRUCTION TO CANDIDATES

- **The examination has SIX (6) questions**

- **Question ONE (1) is COMPULSORY**

- **Choose any other THREE (3) questions from the remaining FIVE (5) questions**

- **Use sketch diagrams to illustrate your answer whenever necessary**

- **Do not carry mobile phones or any other written materials in examination room**

- **Do not write on this paper**

QUESTION ONE (COMPULSORY)

(a) Write the following in full   **[2 marks]**

    i.   WWW

    ii.   Http

(b) Implement the HTML code that generates the given list on the web browser.   **[3 marks]**

    i.   Introduction to computing

    ii.   Operating system

    iii. web design

(c) Describe any three common lists that are used when designing a page   **[3 marks]**

(d) describe the following   **[3 marks]**

    i.   html

    ii.   empty elements

    iii. tags

(e) Distinguish between

    i. stateful protocol and stateless protocol   **[4 marks]**

    ii. web client and web serve   [4 marks]

(f) Explain 3 ways of inserting css in your web page   [6 marks]

QUESTION TWO

(a) Explain 3 features of http protocal that makes it a powerful protocol   **[6 marks]**

(b) Explain 3 ways of making http protocal stateful   [3 marks]

(c) Explain http message format   [6 marks]

QUESTION THREE

(a) What is a server? State and explain any 3 types of servers   **[7 marks]**

(b) Explain how DNS system works   [**8 marks**]

QUESTION FOUR

   (a) What is a proxy server   **[1 mark]**

   (b) Explain the advantage of using proxy server in your organization   **[5 marks]**

   (c) What is a web resource? 1mk

   (d) Distinguish between dynamic resource and static resource   **[2 marks]**

   (e) Discuss three methods of specifying colors in CSS   **[6 marks]**

QUESTION FIVE

   (a) What is a cookie? Explain any 3 types of cookies   **[7 marks]**

   (b) What is an ecommerce   **[2 marks]**

   (c) Discuss 3 advantages of e-commerce to

       i.   Customers   **[3 marks]**

       ii.   Organizations   **[3 marks]**

QUESTION SIX

   (a) Consider a form required to collect the following user information: **[5 marks]**

       Name

       His/her comment

   The form has button to submit the collected information and also button to reset the form.

   Write a code for the form above

   (b) Write a code for the table given below.   **[5 marks]**

EVENT TIME		DURATION	
MORNING	AFTERNOON	HOURS	MIN
Football	Table tennis	2	20
Netball	Rugby	1	30

   (c) Consider a form required to collect the following user information: **[5 marks]**

       Country – select from : Kenya or Uganda Using option buttons

       City- select from -Kampala, Nairobi, Mombasa using drop down menu

   The form has button to submit the collected information.

   Write a code for the form above