JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION 2012/2013
1ST YEAR 1ST SEMESTER EXAMINATION FOR THE DEGREE
OF MASTERS IN INFORMATION SYSTEMS
KISUMU LEARNING CENTRE

COURSE CODE: IIS 5115

TITLE: WEB TECHNOLOGIES

DATE: 18/4/2013   **TIME: 9.00-12.00NOON**

DURATION: 3 HOURS

INSTRUCTIONS

1. This paper contains FIVE (5) questions
2. Answer question 1 (Compulsory) and ANY other 2 Questions
3. Write all answers in the booklet provided

QUESTION ONE

Modest a Consultancy firms wanted to enhance its communication and business transaction with clients, customers, suppliers and other stakeholders through the use of a web site. The firm decides to develop a site to be able to carry out this function. As an expert, the firm has sought your advice on the following;

   a) Explain the best method the firm will use to develop this web site   (5 Marks)
   b) Discuss the security challenges the firm might get while using the web site (10 Marks)
   c) Argue the strategic advantages the firm may get while using the web technology
           (5 Marks)

QUESTION TWO

   a) Name **THREE** popular search engine   (5 Marks)
   b) Confidentiality, integrity, and availability of information on the internet are important security concept. Discuss each of these.   (15 Marks)

QUESTION THREE

   a) Examine **FIVE** factors that limits the adoption of Web services in an enterprise   (10 Marks)
   b) An enterprise wants to modify its ecommerce site so that it conforms more closely to its overall business strategies. Discuss **FOUR** business strategy questions to be addressed.
                (10 Marks)

QUESTION FOUR

Web technology has tremendously improved the way firm communication and conduct business transaction, some of the firms' state security as an impediment to the use of this technology. Highlight some of the security measures on the net that the firm might adopt to control this.
                                         (20 Marks)

QUESTION FIVE

   a) Discuss the key technologies underlying Web services.   (10 Marks)
   b) Contrast the file/data compression system using Arithmetic coding algorithm and Huffman coding algorithm   (10 Marks)