JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

DEPARTMENT OF COMPUTER SCIENCE & SOFTWARE ENGINEERING

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

INFORMATION COMMUNICATION TECHNOLOGY

4TH YEAR SEMESTER 1st 2016/2017 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE: ICT 3412

COURSE TITLE: CYBER LAW

EXAM VENUE: **STREAM: ICT**

DATE: **EXAM SESSION:**

TIME: 2 hours

INSTRUCTIONS

1. **Answer Question 1 (Compulsory) and ANY other TWO questions**
2. **Candidates are advised not to write on the question paper**
3. **Candidates must hand in their answer booklets to the invigilator while in the examination room**

QUESTION ONE 30 MARKS

(a) Define the following
    (i)   Packet switching   (3Marks)
    (ii)   Symmetric encryption   (3Marks)
    (iii)   Jurisprudence   (3Marks)
    (iv)   Private key   (3Marks)
    (v)   Web wrap license   (3Marks)
    (vi)   Digital signature   (3Marks)
    (vii)   Asymmetric encryption   (3Marks)
    (viii) Security policy   (3Marks)
    (ix)   Certifying Authority   (3Marks)
    (x)   Licensor and Licensee   (3Marks)

QUESTION TWO 20 MARKS

(a) Describe three types of works protected under **COPYRIGHT** rights giving examples with respect to computers.   (9 Marks)

(b) New designs having an individual character through the eyes of the informed observer are protected under which right give? Give an example with respect to computers.
                                                            (6Marks)
(c) What is an Electronic Signature?   (5 Marks)

QUESTION THREE 20 MARKS

(a) Internet Corporation for Assigned Names and numbers (ICANN) was established in USA to coordinate the functions for internet, describe the four functions.   (8 marks)

(b) What is a security policy?   (2 marks)
(c) Define at least five goals to be achieved when developing a security policy (10 Marks)

QUESTION FOUR 20 MARKS

    (a) Briefly describe three legal consequences associated with electronic trading (9Marks)

    (b) Define distance contracts as enshrined in consumer protection (Distance Selling)
        Regulation 2000.   (6Marks)

    (c) Briefly explain the basic rule for determining jurisdiction in relation to tort. (5 Marks)

QUESTION FIVE 20 MARKS

    (a) Compare Clark-Wilson and Biba security polices   (6 Marks)

    (b) What are the basic requirements for assessing an operating system secure? (8 Marks)

    (c) How might such a system protect against Trojan Horse attack?   (6 Marks)