JARAMOGI ODINGA OGINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

COURSE TITLE: IT AND SOCIETY

COURSE CODE: SCS 409

SCHOOL BASED

DATE: AUGUST 2013   **TIME: 2 HOURS**

INSTRUCTIONS:

1. This paper contains FIVE questions
2. Answer Question one(Compulsory) and any other two questions
3. Write all answers in the book let provided

QUESTION ONE (30marks)

a) Define the term computer security and discuss the TWO main controls that can be used to secure against computer. (5mks)

b) You are selected a committee member to deal with IT ethical issues in your organization suggest a framework that can be used to tackle such issues. (5mks)

c) IT has contributed alot towards globalization. Discuss the main social and legal factors that hinder the spread of IT particularly in the sub saharan Africa. (10mks)

QUESTION TWO 20marks

a) List any FOUR computer crimes. (4mks)

b) Discuss any THREE aspects of moral dimension of information technology (6mks)

c) "Adoption of internet based applications render IS vulnerable exposing it to various hazards and threats." Required

(i) Identify FIVE hazards and threats linked to the above statement. (5mks)

(ii) Suggest FIVE remedies for the above. (5mks)

QUESTION THREE 20marks

a) Using suitable example describe the impact of E – commerce to society (10 mks)

b) In bid to develope ICT legislations Kenya goverment can borrow and modify some laws or policies from other states including the USA. Suggest and define any FIVE such legislations. (10 mks)

QUESTION FOUR 20marks

Write notes on the following issues in information society

i)	Censorship	(5mks)
ii)	Digital Divide	(5mks)
iii)	Internet Governance	(5mks)
iv)	Intellectual Property	(5mks)

QUESTION FIVE 20marks

Paul is a freelance programmer and technical author whose experience is primarily in the development of PC database systems for small companies. For the past 6 months he has been working, on a contract basis, for a small software house who have often sent him out to work for their clients.

Now the software house has been asked by one of its regular clients to set up their E-commerce website. Unfortunately all the staff that normally do this kind of work are occupied with existing projects. Nevertheless the software house agrees to do the work, and Paul is asked to go on site and set something up. When Paul points out that he has never set up an E-commerce website before the manager tells him not to worry, given his knowledge he should be fine, and if any problems arise he can get in touch with one of the software house's E-commerce experts.

Paul is keen to do the work since it will broaden his experience. When he asks whether the client knows he has never done this kind of work before, he is assured that he doesn't need to worry about that. He should just do his best, but not let on that he has never done similar work.

Required

  i.   Explain what you will do and why   (4 mks)

  ii.   Discuss any THREE ethical principles that Paul has violated by taking the assigment.
                                        (6 mks)

  iii.   Discuss any THREE ethical principles that Paul has upheld by not taking the assigment.   (6mks)

  iv.   You are approached by Paul for advice on the issue. What kind of advice will you give and why.   (4 mks)