



# **SOUTH EASTERN KENYA UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2015/2016**

### **MAY-AUGUST 2016 (PRACTICUM) SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE (INFORMATION SYSTEMS)**

#### **SCI 507: ICT AND SOCIETY**

**DATE: 1<sup>ST</sup> AUGUST, 2016**

**TIME: 9.00 – 12.00 NOON**

#### **INSTRUCTIONS**

1. This paper consists of two sections A and B
2. Section A is **COMPULSORY**
3. Answer any **TWO** questions in section B

## **SECTION A (30 MARKS): Compulsory**

### **Question One**

- a) You are the systems administrator in your organization. In this organization, there is an operational computerized financial management system. This system has several users who have been assigned different roles and rights including passwords as per their duties and responsibilities. The chief executive officer is one of the users with his/her own password. He calls you and requests for the accountant's password.
- i. Explain the steps you would follow to analyse whether its ethical or not to give the password to the Chief Executive officer **(10 Marks)**
  - ii. Explain five ethical principles to consider before giving out the password. **(10 Marks)**
- b) Technology is very dynamic and therefore these changes causes and raises new issues which may not be governed in the current regulations and laws or may take time before laws are made to govern them. The only option that remains is to act ethically.  
Explain five technological trends that raise new forms of ethical concerns. **(10 Marks)**

## **SECTION B (30 MARKS): Answer any two questions from this section**

### **Question Two**

There has been revolution in the society from agricultural to industrialization. In the new era we have noted a change from industrialization to information society.

- a) Explain the main drivers of economy in the three forms of society. **(9 Marks)**
- b) Explain three theories of information society as proposed by (Webster 2000). **(6 Marks)**

### **Question Three**

- a) Explain five challenges faced in management of e waste. **(5 Marks)**
- b) Explain five ways of managing e waste. **(10 Marks)**

### **Question Four**

Information systems, as a stone thrown in a pool of calm water (the society), has raised several ethical and social issues. However there are several moral dimensions that govern use of information systems in an ethical manner.

- a) Describe Five moral dimensions of information systems. **(5 Marks)**
- b) Explain five ways in which advances in information technology inhibits application of the moral dimensions mention in (a) above. **(10 Marks)**

**END**