



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION**  
**SCIENCE MAIN CAMPUS**  
**3<sup>RD</sup> YEAR 1<sup>ST</sup> SEMESTER 2018/2019 ACADEMIC YEAR**

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**COURSE CODE: SCS 306**

**COURSE TITLE: INTERNET COMPUTING**

**EXAM VENUE:**

**STREAM:**

**DATE:**

**EXAM SESSION:**

**TIME: 2.00 HOURS**

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**INSTRUCTIONS:**

- 1. Answer Question 1 (Compulsory) and ANY other two**
- 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

- a.) What do you understand by the following terms
- i.) Blog. (1 Mark)
  - ii.) Internet working. (1 Mark)
  - iii.) Web page. (1 Mark)
- b.) Highlight key requirements for implementing internet? (5 Marks)
- c.) Using education sector as example discuss the role of internet in that sector citing advantages and disadvantages (10 Marks)
- d.) Jack was reviewing one of computer books and established that one of the major way he could access information from the web is through use of URL for, example <http://www.xmail.co.ke>
- i) Define URL (1 Mark)
  - ii) Advice Jack on the various part of the URL above (3 Marks)
- e.) With use of an example, describe the four parts of IP address (6 Marks)

## QUESTION TWO

- a) Briefly describe the history of the internet (8 Marks)
- b) Explain the dominant backbone of the Internet (2 Marks)
- c) Highlight FOUR factors to consider when connecting to the Internet (4 Marks)
- d) Design a simple webpage using HTML describing your portfolio. (6 Marks)

## QUESTION THREE

- a) Briefly explain any TWO E-Commerce models (6 Marks)
- b) Describe any FIVE components of communication system (10 Marks)
- c) In your own context enumerate on Wireless Application Protocol (WAP) (4 Marks)

## QUESTION FOUR

- a) “The Internet is a planetary party line and a medium for the free exchange of knowledge, a chaotic electronic freeway that now girdles the Earth. It is a global world, on which people debate, publish, play games, do business and fall in love.” Discuss the ethical and legal

considerations of Internet use, referencing one of the areas suggested in the above statement.

(10 Marks)

b) Through the use of currently available on-line tools and techniques, such as search engines, ordinary users can easily acquire personal information about others. In fact, anyone who has Internet access can find information about us that we ourselves have no idea is publicly available there. Is it true that individual privacy is threatened by the use of search engines? Explain.

(6 Marks)

c) Discuss the moral, ethical and legal issues associated with Censorship of the Internet.

(4 Marks)

### **QUESTION FIVE**

a.) Citing relevant examples give an account of internet growth and development (10 Marks)

b.) What are the challenges of internet in the family unit (5 Marks)

c.) Discuss the terms Opt In and Opt Out model as used in internet (6 Marks)