JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR (EDUCATION SCIENCE & BUSINESS ADMINISTRATION)

3RD YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

MAIN CAMPUS

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COURSE CODE   : SCS 306

COURSE TITLE   : INTERNET COMPUTING

EXAM VENUE   :   STREAM   : EDS & BBA

DATE   :   EXAM SESSION :

TIME: 2.00 HOURS

QUESTION ONE 30 MARKS

a) What are the differences between the Internet and the World Wide Web? **(4 marks)**

b) Give a brief description of how WWW client (Browser) and WWW server interact
(4 marks)

c) Describe the term CSS **(2 Marks)**

d) Discuss **FOUR** sources of images in web site development **(8 Marks)**

e) A friend has just bought a new computer and needs an internet connection at home. Advice on the hardware, software and other requirements for him to connect to the internet and start conducting email correspondence and searching. (6 marks)

f) Define the following terms as used information communication technology (6 marks)

    i.   Internet

    ii.   URL

    iii. DNS

QUESTION TWO 20 MARKS

a) What is a web browser? (2 marks)

b) Compare and contrast between the TOP FOUR web browsers (8 marks)

c) "Navigating through the internet is like walking through a dangerous, criminal infested streets of Mexico" Explain the above statement with respect to security of internet computing (10 marks)

QUESTION THREE 20MARKS.

a) What is a search engine? (2 marks)

b) Briefly explain how a search engine works (6 marks)

c) Compare and contrast **THREE** major types of search engine used on the Internet.(6marks)

d) Internet has converted the world into a global village. Explain this statement with respect to the impact of internet on our day to day activities. (6marks)

QUESTION FOUR 20MARKS

a) Describe the difference between a dedicated web server and a co-located webserver **(4 marks)**

c) Discuss three types of protocol available in computer connection   **(6 Marks)**

b) Explain some of the graphic design best practices   **(6 Marks)**

c) Describe disadvantage of using Java applets on web pages   **(4 marks)**

QUESTION FIVE 20 MARKS

a) Discuss the five generations of computer giving examples in each case   **(10 Marks)**

b) Outline FIVE web site types and their purposes   **(5 Marks)**

c) To create interactivity in internet computing, both client-side and server-side programs are required.

d) State FIVE advantages of Server Side programs   **(5 Marks)**