



UNIVERSITY OF KABIANGA

UNIVERSITY EXAMINATIONS

2017/2018 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER EXAMINATION

**FOR THE DEGREE IN
BACHELOR OF INFORMATION SCIENCE
AND KNOWLEDGE MANAGEMENT**

COURSE CODE: ISK 312

COURSE TITLE: WEB DEVELOPMENT

DATE: 6TH FEBRUARY, 2018

TIME: 2.00 P.M - 5.00 P.M.

INSTRUCTIONS TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF (3) PRINTED PAGES

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KABIANGA UNIVERSITY
ISK 312: WEB DEVELOPMENT

INSTRUCTIONS:

ANSWER **QUESTION ONE** AND ANY OTHER **TWO** QUESTIONS

QUESTION ONE (30 marks)

- a) Define the following terms **(3 marks)**
- i. WWW
 - ii. Web browsers
 - iii. Web server

- b) Describe three built-in functions supported by JavaScript. **(3marks)**

- c) Describe the Steps in the Web Application Development Process **(8 marks)**

- d) Write a HTML code to display the following names and age in format given **(6 marks)**

Name	Age
Julie Were	20
Maina Dan	23
Kibet Sammy	30

- e) Explain three attributes associated with tag **(3 marks)**
- f) Distinguish between client side and server side programming. **(4 marks)**
- g) Explain three uses of internet **(3 marks)**

QUESTION TWO(20 marks)

- a) Explain five User Interface Design principles one should take into consideration during development. **(5 marks)**
- b) Discuss 5 key elements of a good website **(5 marks)**
- c) Explain five most common types of testing needed for any web application development process **(5 marks)**
- d) Write a HTML code that displays the work "This is my first program in HTML". The background color should be red and the text color black. **[3 marks]**

- e) Describe four browsers available in the market today **[2 marks]**

QUESTION THREE (20 marks)

- a) Describe four Types of Web Hosting Servers available in the market (8 marks)

- b) Explain six factors to consider while designing a web site **(6 marks)**

- c) Write a JavaScript program using If- else statement to determine whether a person who is 15 years qualifies to drive. The statements and conditions are as follows:

(6 marks)

Age

Over 18 yrs

Below 18 yrs

condition

Qualifies for driving

Does not qualify for driving

QUESTION FOUR (20 MARKS)

- a) Distinguish between Logical style and Physical styles of formatting HTML text.

(4 marks)

- b) Write a program using an alert dialog box to give a warning message "This is a warning message!" to the users on clicking on "Click me" button.

[5 marks]

- c) Explain three types of comparison operators supported by JavaScript. (6 marks).

- c) Explain the Purpose of Proxy Servers in web design

(5 marks)

QUESTION FIVE (20 MARKS)

- a) i) Explain the following methods used to set colors in your web page during development. **(3 marks)**

- ii) Give an example for each method in the above question (a (i)) (3 marks)

- b) Explain three types of security issues in web security.

(6 marks)

- c) Explain two roles of Animation in Web Design.

(4marks)

- d) Explain some of the roles of cookies in websites.

(4 marks)