



MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE

UNIVERSITY ORDINARY EXAMINATION

2018/2019 ACADEMIC YEAR

**SECOND YEAR SECOND SEMESTER EXAMINATION FOR, DIPLOMA IN
INFORMATION TECHNOLOGY**

SCS 057 – INTERNET APPLICATION AND PROGRAMMING

DURATION: 2 HOURS

DATE:

TIME:

Instructions to candidates:

1. Answer question One and Any Other Two questions
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION

QUESTION ONE (30 MARKS)

- a) Define the following terms: (5 marks)
- i. A web server
 - ii. World wide web
 - iii. Internet
 - iv. Internet protocol
 - v. Hyperlink
- b) State the type of domain presented by the following extensions: (6 marks)
- i. .gov
 - ii. .mil
 - iii. .net
 - iv. .com
 - v. .org
 - vi. .flue
- c) There are different protocols used for e-mails management such as SMTP, POP3, and IMAP. Give their full names and differentiate the above listed protocols (3 marks)
- d) Write html code to produce the following list (diagram 1) (5 marks)
- e) State four main characteristics of PHP language (4 marks)
- f) Write a javascript code that will output the following text (diagram 2) (5 marks)
- g) Discuss two reasons why it is important to use ess when designing website (2 marks)

SECTION B – ANSWER ANY TWO QUESTIONS IN THIS SECTION

QUESTION TWO (20 MARKS)

- a) Discuss the purpose of the following terms as used in forms: (6 marks)
- i. Radio buttons
 - ii. Check boxes
 - iii. Drop down boxes
- b) Describe the function of action and method attributes as used in the form and show how they are used in a code (4 marks)
- c) Write a html code that will produce the form below (diagram 3) (5 marks)
- d) List four guidelines a webmaster should follow when designing a website (2 marks)
- e) State three factors to consider before inserting an image as background in a html Document (3 marks)

QUESTION THREE (20 MARKS)

- a) Write a code that will generate the following table (diagram 3a) (6 marks)
- b) i. State three ways of inserting `ess` (2 marks)
ii. Using `ess`, write a webpage with two paragraphs and the second paragraph text should be aligned center, covered, and font size 12px (4 marks)
- c) With aid of example, differentiate between confirm box and prompt box as used in javascript (4marks)
- d) Explain the difference between server sided scripting and client sided scripting (4 marks)

QUESTION FOUR (20 MARKS)

- a) Describe three attributes of an anchor tag `<a>` (6 marks)
- b) List three types of links that one can design in a webpage (3 marks)
- c) State four ways of inserting php in a webpage (4 marks)
- d) Illustrate three types of comments supported by php (6 marks)
- e) State two functions of php language (1 mark)