



Kasarani Campus
Off Thika Road
Tel. 2042692 / 3
P.O. Box 49274, 00100
NAIROBI
Westlands Campus
Pamstech House
Woodvale Grove
Tel. 4442212
Fax: 4444175

KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2024/2025 ACADEMIC YEAR
FIRST YEAR, FIRST SEMESTER EXAMINATION
FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY
CIT 1011 BASICS OF WEB DESIGN

Date: 6TH AUGUST 2024

Time: 11:30AM – 1:30PM

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) The scope of a variable is the region of your program in which it is defined. Explain the scopes of JavaScript variables. (4 Marks)
- b) Images are not technically inserted into a web page; images are linked to web pages. The tag. creates a holding space for the referenced image. Describe the attributes required for tag. (5 Marks)
- c) Application layer combines the functionality of the topmost three layers of the OSI model. Explain the application layer protocols. (5 Marks)
- d) The target attribute specifies where to open the linked document, state the values this attribute can have. (5 Marks)
- e) Briefly explain how the HTML works. (5 Marks)
- f) Write a simple HTML syntax that illustrates the use of header 6. (6 Marks)

QUESTION TWO (20 MARKS)

- a) Discuss the different types of cookies in web pages. (4 Marks)
- b) Identify the most preferred methods of applying cascading style sheets to HTML document. (8 Marks)
- c) By use of a diagram, explain the layers of open standard interconnection (OSI) model. (8 Marks)

QUESTION THREE (20 MARKS)

- a) An input element can be displayed in many ways, depending on the type of attribute in the HTML forms, identify and define the different types. (4 Marks)
- b) Write a simple HTML list syntax that displays three items. (8 Marks)

Course offered in Computer Science and BBIT departments:

- i) **Certificate in Information Technology**
- ii) **Diploma in Information Communication Technology**
- iii) **Diploma in Business Information Technology**
- iv) **Bachelor of Information Technology**
- v) **Bachelor of Science in Computer Science**
- vi) **Bachelor of Science in Business Information Technology**

- c) Write simple HTML codes that will output the following (8 Marks)

Username:

Password:

QUESTION FOUR (20 MARKS)

- a) The <script>tag alerts the browser program to begin interpreting all the text between these tags as a script. Describe the important attributes script tag takes. (4 Marks)
- b) Images can improve the design and the appearance of a web page. Explain different ways a web graphic can be obtained. (5 Marks)
- c) The target attribute specifies where to open the linked document, state the values this attribute can have. (5 Marks)
- d) Discuss the advantages of CSS (cascading style sheets). (6 Marks)

QUESTION FIVE (20 MARKS)

- a) Define table tags used in creating tables in HTML documents. (4 Marks)
- a) Differentiate the classifications of tags in HTML and give example of each. (6 Marks)
- b) Write a simple HTML program that creates header1 and paragraph. (10 Marks)