TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR:
BACHELOR OF SCIENCE IN MATHEMATICS & COMPUTER SCIENCE
(BSMC)

EIT 4108: WEB BASED APPLICATION PROGRAMMING

END OF SEMESTER EXAMINATION
SERIES: DECEMBER 2013
TIME: 2 HOURS

Instructions to Candidates:
You should have the following for this examination
- *Answer Booklet*
This paper consists of **FIVE** questions.
Attempt question **ONE (COMPULSORY)** and any other **TWO** questions
Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages

Question One (Compulsory)

a) Briefly explain any FOUR internet protocols.   **(8 marks)**

b) Explain the uses of web browsers in accessing web pages   **(6 marks)**

c) Discuss the principles of user interface design   **(6 marks**

d) Briefly discuss the stages/phases of web application development **(10 marks)**

Question Two

a) Define cascading style sheets **(2 marks)**

b) Outline the advantages and disadvantages of CSS **(10 marks)**
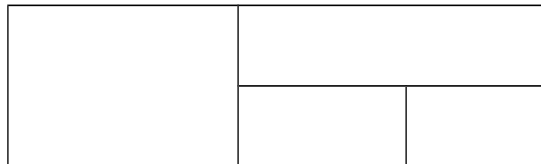
c) Write CSS code to add a background image to a HTML document **(2 marks)**

d) Giving examples, explain THREE ways of inserting CSS into HTML document. **(6 marks)**

Question Three

a) Differentiate between frame and framesets. **(4 marks)**

b) Write HTML codes to display the following frames:

c) Write the uses of scripts in HTML documents. **(8 marks)**

Question Four

a) Write HTML codes to display the following form:- **(10 marks)**

> BBIT
> BSIT
> BBA

b) Write JavaScript codes to validate the above form: **(10 marks)**

Question Five

a) Write HTML codes that display the following form: **(6 marks)**

Name	Address	Tel No.
May	45678	0721468
Tom	87160	4144444

John	87171	9089967

b) Briefly explain any FOUR attributes of table data (TD) element. **(6marks)**

c) Outline the key elements of a good website **(8 marks)**