



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

**BACHELOR OF TECHNOLOGY IN INFORMATION COMMUNICATION TECHNOLOGY
BTIT MAY 11/J/FT**

EIT 4202: WEB BASED APPLICATIONS PROGRAMMING

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: MAY/JUNE 2012

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer any **THREE** questions. Question **ONE** is Compulsory

Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed pages

SECTION A (Compulsory - 30 marks)

Question One (30 Marks)

- Briefly explain the following web development tools
 - HTML
 - Java Script
 - Java Applets(6 marks)
- Distinguish between the following terms:
 - Web server
 - Web client(4 marks)
- State any **TWO** software examples for each of the above terms in (b) (4 marks)
- Briefly explain the concept of a web as a “directed graph” (3 marks)
- With the aid of a diagram, describe the term “site map” as used in web design (5 marks)
- Distinguish between the job of a web page designer and web site designer (5 marks)
- State any **THREE** types web sites (3 marks)

SECTION B (Answer any TWO questions – 40 Marks)

Question Two (20 marks)

Write an HTML program that displays a web page whose content is given below

Page title: SUBTRACTIONS

(20 marks)

SUBSTRACTION OF NUMBERS

FIRST NUMBER:

SECOND NUMBER:

ANSWER:

Question Three (20 marks)

Write a HTML program that displays a web page whose content is given below.

Page title: SUBJECT PERFORMANCE

Here is a small sample table:

Subjects	Boys	Girls
PHYSICS	20	30
MATHS	20	30
ENGLISH	30	20
BIOLOGY	21	29
CHEMISTRY	25	25

Question Four (20 marks)

- a) Write an HTML program that displays a web page whose content is given below.
Page title: EUROPEAN TEAMS

Here are my favourite European teams

- Chelsea
- Manchester United
- Arsenal

- b) Write an HTML program that displays a web page whose content is given below.
Page Title: WHOSE SCHOOL IS THIS

My school

My school

My school

My school

Question Five (20 marks)

a) Write an HTML program that displays a web page whose content is given below.

Web page title: MY SEARCH ENGINES

Here are my favorite internet search engines

1. [Alta Vista](#)

2. [Google](#)

3. [WebCrawler](#)

Click on the search engine address to go that web page

b) Explain the use of the following html elements

i) table form

ii) h

iii) ul

iv) li

(10 marks)