



# 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

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## **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)