

**UNIVERSITY EXAMINATION  
SECOND YEAR  
SEPTEMBER-DECEMBER 2023**

**BINM 221: INTRODUCTION TO WEB DEVELOPMENT**

**STREAMS: Y2 S1**

**TIME: 2 HOURS**

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**INSTRUCTIONS**

1. Answer question one and three other questions
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**Question One (Compulsory) (25 Marks)**

- a) Describe the Internet and show how it differs from the Web [5 marks]
- b) The Internet will not run as efficient as it does without some hand behind the scenes, describe how the internet is administered [5 marks]
- c) Distinguish between Domain Names and IP Addresses [5 marks]
- d) Describe a web page and clearly show its types [5 marks]
- e) A markup language is the core of web development, Explain [5 marks]

**Question Two (15 Marks)**

- a) Web application is structured as a 3-tier application, highlight and explain the three tiers by function [5 marks]
- b) Before looking into the actual underlying code, of a web page one needs to consider six important issues that make a web page look good, list and explain each of them. [5 marks]
- c) State and explain six most compelling reasons for using CSS and HTML over out-dated methods of web creation [5 marks]

**Question Three (15 Marks)**

- a) Describe Dynamic web pages and explain how in two way they achieve dynamic content [5 marks]
- b) In The HTML structure what are the following
  - i) Container Tags and empty tags [2 marks]
  - ii) Implicit text emphasis and explicit text emphasis [3 marks]
- c) Describe what HTML helps accomplish in web design and explain the other tasks that are only accomplished by two other web construction tools [5 marks]

**Question Four (15 Marks)**

- a) In order for computers to communicate with one another, standard methods of information transfer and processing have been devised; state what they are and highlight any five of them and briefly show their functions. [10 marks]
- b) Discuss the workings of the world wide web [5 marks]

**Question Five] (15 Marks)**

Fill these initials and briefly explain what they mean in web development

- i) SGML [5 marks]
- ii) WWW [5 marks]
- iii) CGI [5 marks]
- iv) URL [5 marks]