



PAN AFRICA CHRISTIAN UNIVERSITY

(DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY)

END OF SEMESTER EXAMINATION APRIL 2019

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY

COURSE CODE: DICT0121

CAMPUS: ROYSAMBU

COURSE TITLE: INTERNET APPLICATIONS AND WEB DESIGN

EXAM DATE: TUESDAY 9TH APRIL 2019

TIME: 09:00 HRS-12:00 HRS

INSTRUCTIONS

- This exam script has **TWO (2)** sections.
- Read all questions carefully before attempting.
- Answer All questions in Section **A** and any other Four questions in Section **B**.
- Write only your **student number** on the answer booklet provided.
- None programmable calculators permitted
- Calculators on phones, tablets and computers are NOT permitted in Theory Papers

SECTION A

(Answer ALL questions in this section)

- a) Explain the following HTML concepts:
- i) Element **(2 MARKS)**
 - ii) Anchor **(2 MARKS)**
- b) Distinguish between each of the following pairs of terms as used in web design:
- i) Internet and World Wide Web **(2 MARKS)**
 - ii) Web Browser and Web Server **(2 MARKS)**
 - iii) Cell padding and cell spacing **(2 MARKS)**
 - iv) Head tag and Body tag **(2 MARKS)**
- c) Describe any **three** services offered by the internet **(6 MARKS)**
- d) Briefly describe TWO disadvantages of using frames in a website **(2 MARKS)**
- e) Explain any TWO characteristics of the internet **(4 MARKS)**
- f) Explain the **three** links used in web sites **(3 MARKS)**

Add more questions to cover the course outline. Add higher level questions in the blooms taxonomy
Tables, Pictures, etc

SECTION B

(Answer any FOUR (4) questions in this section)

Question 2

- a) Illustrate any **two** attributes that can be applied to an image **(4 MARKS)**
- b) Contrast between vector images and bitmap images **(4 MARKS)**
- c) Write the HTML code that will insert a picture named pic.jpg, formatting it with a width of 50 pixels and a height of 65 pixels **(5 MARKS)**

- d) Closing tags in an HTML element are important. State two elements that are an exception to this rule **(2 MARKS)**

Question 3

- a) Write a HTML document which generates the following table: **(10 MARKS)**

unit	score	Grade
System analysis	45	C
databases	58	C
Programming	88	A
Web design	70	B

- b) State what URL stand for **(1 MARKS)**
c) Differentiate between Hyperlink and Hypertext **(4 MARKS)**

Question 4

- a) Identify the main parts that make up the following URL **(5 MARKS)**
<https://www.pacuniversity.ac.ke/index.php/admissions/application-procedure>
b) Write the part of HTML code that will show the following form and the components on the web browser **(10 MARKS)**

Name

Gender

☐ male ☐ female

pick the appropriate mode of payment



- cheque
- cash
- credit card
- ATM card

Question 5

- a) Explain the meaning of the following domain name extensions **(4 MARKS)**
. Edu, .Gov, .Mil, .Ke
- b) Outline FIVE factors to consider while designing a web site **(5 MARKS)**
- c) Explain any **Three** HTML lists. **(6 MARKS)**

Question 6

- a) Describe the THREE methods for applying style sheets **(6 MARKS)**
- b) Define a class of CSS rules called **bodystyle** that can be applied on some selected text within a typical hospital website with the following attributes: **(9 MARKS)**
- i. Font color to be red
 - ii. Font family to be Arial, sans-serif, Helvetica
 - iii. Font-size is 18 pixels

Question 7

- a) State THREE web browsers currently in use **(3 MARKS)**
- b) Write an HTML code that will display the following information **(12 MARKS)**

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B. Diploma courses

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- ii. DBA

C. Certificate courses

1. CBIT
2. CBA