



# PIONEER INTERNATIONAL UNIVERSITY

Powered by Intellect, Driven by Values.

## UNIVERSITY EXAMINATIONS

**ACADEMIC YEAR:** 2021/2022      **UNIT NAME:** WEB PROGRAMMING II

**SEMESTER:** SEPT-DEC 2021      **UNIT CODE:** BSIT 3131

**DATE:** DEC 2021      **TIME:** 2 HOURS

**INSTRUCTIONS:** Answer question one (30 marks) and any other two

---

### **IMPORTANT NOTICE!!!!!!!!!!!!!!**

**The following are the possible consequences if found guilty of an Examination Offence:**

- a) Expulsion from the University.**
- b) Academic Leave.**

### **QUESTION ONE (30 MARKS)**

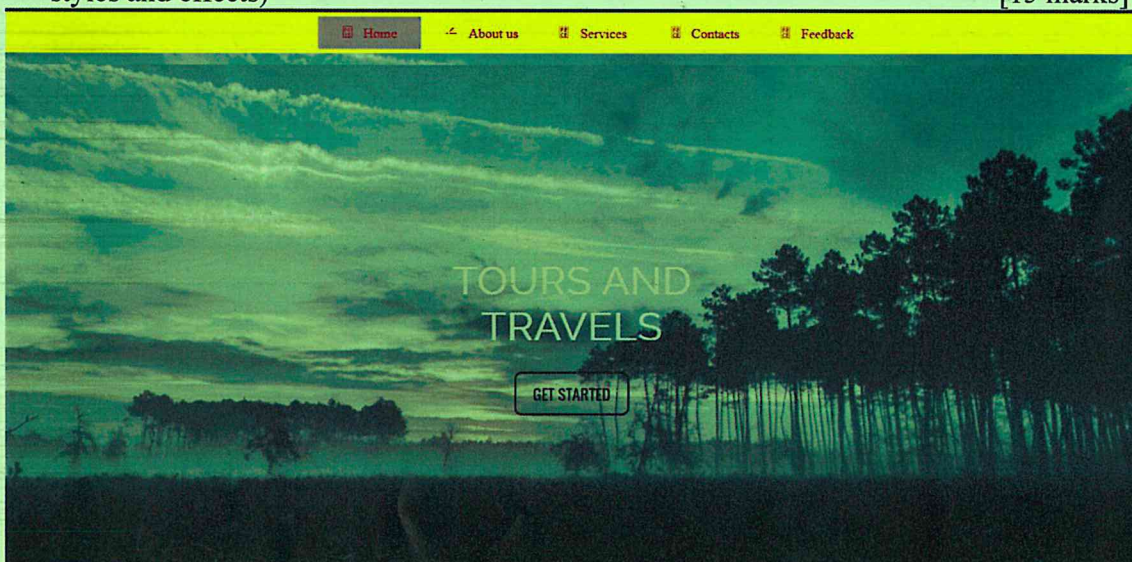
- a) You have been hired as a web developer for a boutique outlet that specializes in elite and fashionable items such as clothing and jewellery among other products. This web application should allow customers to register, login and able to browse/view catalogue, use shopping cart and finally purchase products online.

#### **REQUIRED:**

- i) Explain how you would develop a Front end and Backend for this web app. (use diagrams and codes where necessary). [15marks]
  - ii) Discuss why web application security is important at boutique.com. [5 marks]
  - iii) Explain the major factors that make web application more vulnerable than other component in the web application architecture. [6 marks]
- b) Write a html code to produce the following.

**QUESTION TWO (20 MARKS)**

- a. Show how variables are declared in PHP [5 marks]
- b. Recreate the above full screen landing page with Nav bar (add all the necessary colours, styles and effects) [15 marks]





**QUESTION THREE (20 MARKS)**

(a) Explain the steps involved in web application development life cycle [6 marks]

(b) Use java script to validate the following fields before they get submitted to the server.

Names

ID No

Email

County

Address

[10 marks)

(c) Describe web hosting and explain any four various types of web hosting

[4 Marks]

**QUESTION FOUR(20 MARKS)**

(a) Discuss the following types of web applications:

(i) Semantic applications

(ii) Ubiquitous applications

(iii) Interactive and transactional

[6 Marks)

(b) Write a CSS code to format a document font to times new roman, all h1 to color yellow and specify color of table border, the text and background color of table header elements.

[8 marks]

(c) A web server is a computer or combination of computers connected over the internet, Discuss any three types of web servers

[6 marks]

