PIONEER INTERNATIONAL UNIVERSITY

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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
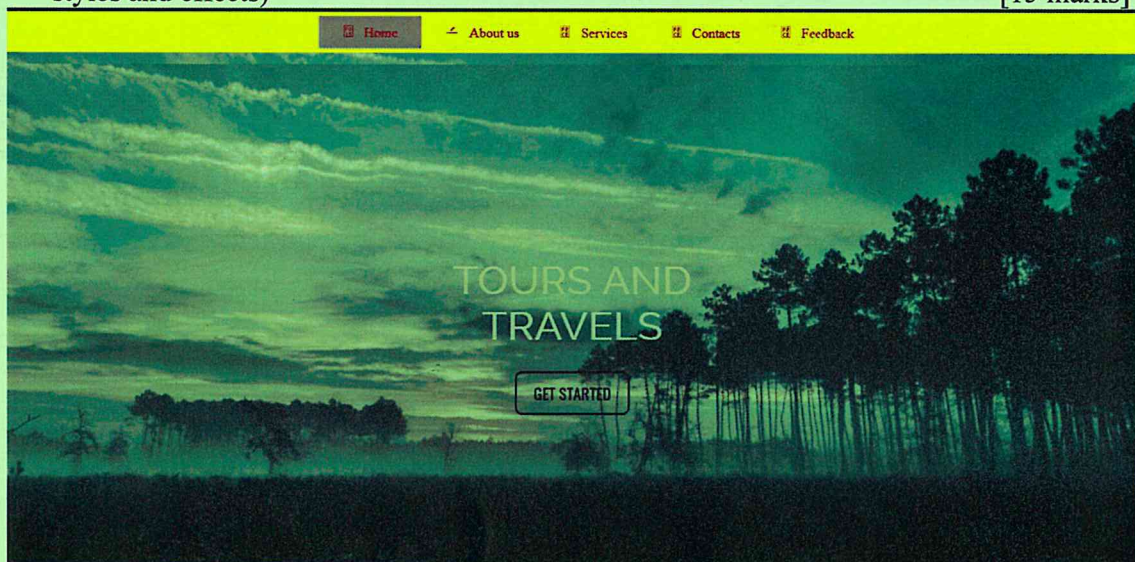
QUESTION ONE (30 MARKS)

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)

[Submit]

(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]