



COLLEGE OF BUSINESS, PEACE, LEADERSHIP AND GOVERNANCE

NCIS 403 – WEB APPLICATION DEVELOPMENT

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER 2021

LECTURER: MR MAGWAGWA

TIME: 5 HOURS

INSTRUCTIONS

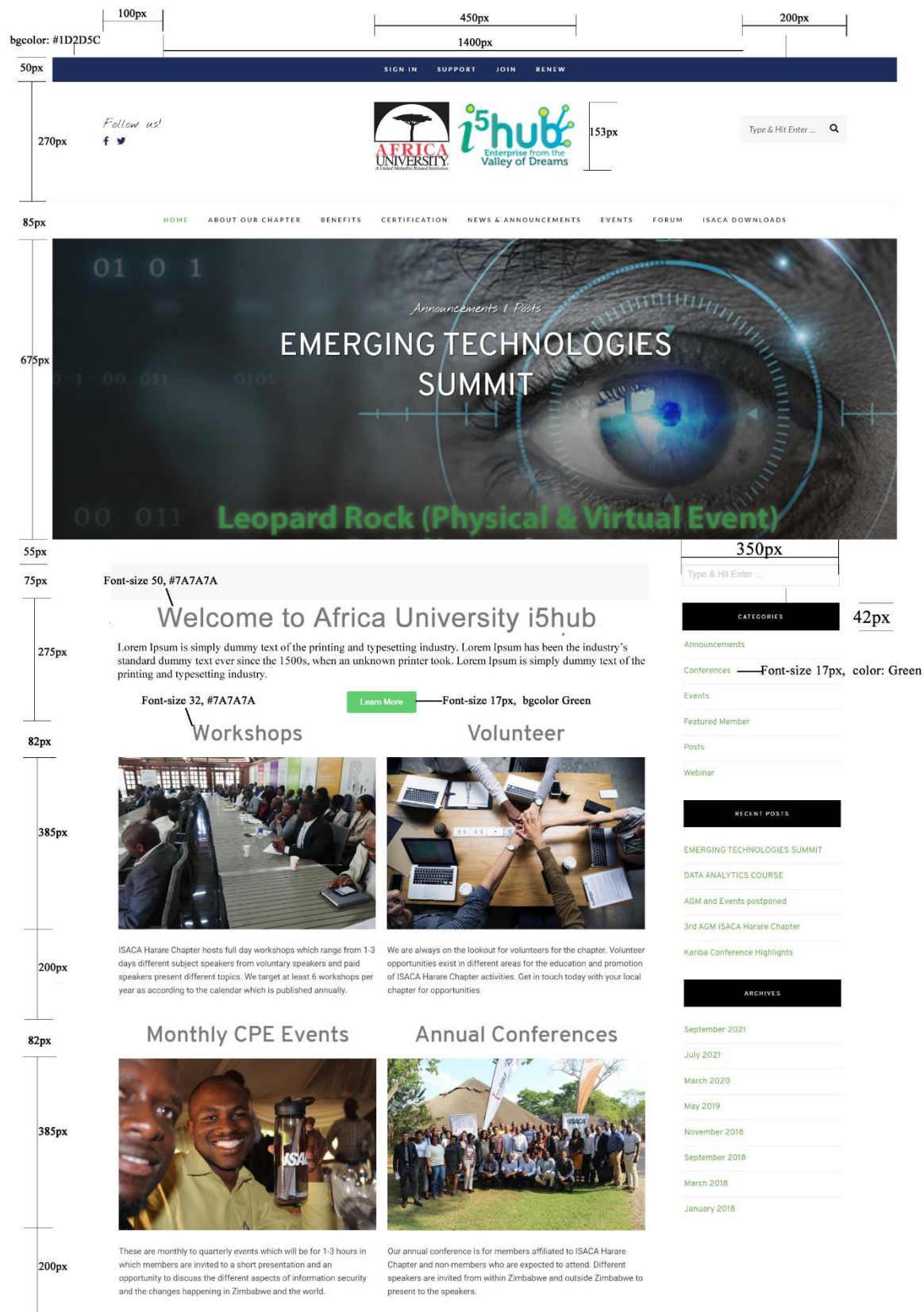
Answer only one question.

The marks allocated to each question are shown at the end of the section.

Credit will be awarded for logical, systematic and neat presentations.

Question 1

a)



Africa University I5hub is designing their website. The above image is the proposed design. Produce the Homepage HTML5 and CSS3 code for the page. Use a separate CSS to the index

file and the name of the CSS is style.css. Use the font sizes, width and colors indicated at the edge of the image. **Please not you are expected to create desktop.**

Additional information:

Main image should cover the inter-screen
Top menu bar color should also cover the inter-screen
logo - logo.png
Main image - slide.jpg
Padding on menu links - 10px
body font size is 14px

Links/ Menu

HOME- index.html, ABOUT OUR CHAPTER- about.html, BENEFITS - benefits.html, CERTIFICATION - certification.html, NEWS & ANNOUNCEMENTS - news.html, EVENTS - events.html, FORUM - forum.html and ISACA DOWNLOADS - isaca.html

[60 Marks]

b)

Using your creativeness and skills taught in the course, create tablet (between 1100px – 800px) and mobile view (below 800px). In the tablet and mobile view include the following:

- i) Hide top menu in blue
- ii) Have a collapsible menu
- iii) Have the social media icons appear in menu
- iv) Single column for alignment of content

[40 Marks]

Question 2

As a web application developer for Africa University, you are required to create a help desk system. Below is an image of the help desk open a ticket form. You are required to create the following:

- a) Create the form in the image below with Html and Php
- b) Using JavaScript validate the fields to ensure the following
 - No field is empty
 - Email addresses are validated
- c) The form should be able to add a new record in a database
- d) Create an admin portal which requires username admin and password admin
- e) Helpdesk should allow for creation and destruction of session(Session controls)
- f) In the admin portal users can perform the following tasks:
 - Creating a new ticket
 - View the record
 - Update record
 - Delete record
 - Able to create a new user

Open a New Ticket

Please fill in the form below to open a new ticket.

Contact Information

Email Address *	<input type="text"/>
Full Name *	<input type="text"/>
Phone Number	<input type="text"/> Ext: <input type="text"/>
Help Topic*	<div>Password Reset</div>

Ticket Details

Please Describe Your Issue

Issue Summary *	<input type="text"/>
	<div><div><> T A Aa B / U ↶ ≡ 🖼️ 📺 📄 🔗 —</div><div>Details on the reason(s) for opening the ticket.</div><div>Drop files here or choose them</div></div>

Additional Information

System *	<div>Student/Staff Portal (Acacia)</div>
Scanned Copy of your ID *	<div>Drop files here or choose them</div>
Mobile Number *	<input type="text"/> Ext: <input type="text"/>
Alternate Email *	<input type="text"/>
CAPTCHA Text	<div>3F21A <input type="text"/> Enter the text shown on the image. *</div>

[Create Ticket](#) [Reset](#) [Cancel](#)

[100 Marks]

Question 3

As an ICT consultant you have been approached by Ariston Holding to evaluate their website <http://www.ariston.co.zw> and recommend how to improve it. With the skills you obtained in the course during your 4th Year in college may you do the following:

- Create an improved homepage using HTML5 and CSS3
- Create a contact us page with a form that can send emails
- Generate a strategic report to the ICT Director which includes the following:
 - Features you will include that are missing from the initial website
 - Latest technologies you will use to develop the inter website
 - An in-depth analysis of all content management systems you know and how work is made easier through those technologies
 - Discuss the methods that are available to promote the website and identify which ones you will use
 - Discuss the technologies you will use to assess the effectiveness of the website promotion strategies you will use.

[100 Marks]