

TUNKU ABDUL RAHMAN UNIVERSITY OF MANAGEMENT AND TECHNOLOGY

FACULTY OF COMPUTING AND INFORMATION TECHNOLOGY

ACADEMIC YEAR 2024/2025

MAY/JUNE EXAMINATION

BAIT1023 WEB DESIGN AND DEVELOPMENT

WEDNESDAY, 28 MAY 2025

TIME: 9.00 AM – 11.00 AM (2 HOURS)

BACHELOR OF INFORMATION SYSTEMS (HONOURS) IN ENTERPRISE INFORMATION SYSTEMS

BACHELOR OF INFORMATION TECHNOLOGY (HONOURS) IN INFORMATION SECURITY

BACHELOR OF INFORMATION TECHNOLOGY (HONOURS) IN SOFTWARE SYSTEMS DEVELOPMENT

BACHELOR IN DATA SCIENCE (HONOURS)

Instructions to Candidates:

Answer **ALL** questions. All questions carry equal marks.

BAIT1023 WEB DESIGN AND DEVELOPMENT**Question 1**

- a) The following are the absolute pathnames of **FIVE (5)** web pages. Draw the folder structure/folder tree according to the absolute pathnames that listed below.

mingling/index.html
 mingling/staff.html
 mingling/branch/kl/setapak.html
 mingling/branch/kl/menjalara.html
 mingling/branch/sel/petalingjaya.html

(5 marks)

- b) With reference to the folder tree that you have created in Question 1 a), write HTML code to create a hyperlink to link from its current page to destination page as listed below:

(i)	From <i>index.html</i> to <i>index.html</i> Hyperlink:	(2 marks)
(ii)	From <i>index.html</i> to <i>staff.html</i> Hyperlink:	(2 marks)
(iii)	From <i>index.html</i> to <i>setapak.html</i> Hyperlink:	(2 marks)
(iv)	From <i>setapak.html</i> to <i>index.html</i> Hyperlink:	(2 marks)
(v)	From <i>setapak.html</i> to <i>petalingjaya.html</i> Hyperlink:	(2 marks)
(vi)	From <i>setapak.html</i> to <i>menjalara.html</i> Hyperlink:	(2 marks)

- c) Write HTML code to perform the following tasks:

- (i) Insert an inline image named “*schoollogo.jpg*” with alternate text “*school logo image*”.
(2 marks)
- (ii) Display the text “*Welcome to Ming Ling Primary School Website*” in a block quote.
(2 marks)
- (iii) Mark the text “*Ming Ling Primary School (Private School)*” as the largest heading.
(2 marks)
- (iv) Link the text “*School Hotline*” to the school phone number of “60341458888”. (2 marks)

[Total: 25 marks]

BAIT1023 WEB DESIGN AND DEVELOPMENT**Question 2**

- a) Write HTML code to create an unordered list showing three subjects that students may study at Ming Ling Primary School. Use inline style to set book.gif as a list marker image. (5 marks)
- b) Below are the two different types of lists in HTML. Differentiate between them and provide **ONE (1)** HTML code example for each type of lists.
- (i) Ordered list (4 marks)
- (ii) Navigation list (4 marks)
- c) With reference to Figure 1, write HTML code to create an image map for Ming Ling Primary School website with a hotspot that links to canteen web page. Create a default hotspot and link it to home page at *index.html*. The width and height of image are 450px and 300px.

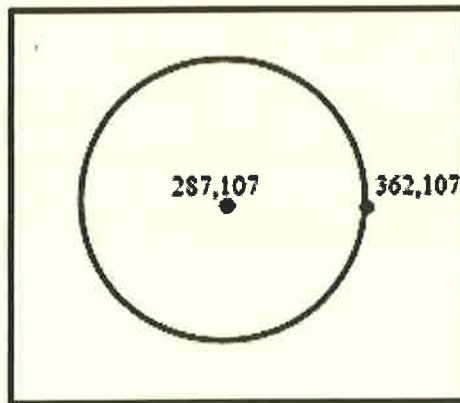


Figure 1

(12 marks)

[Total: 25 marks]

Question 3

- a) Insert a video clip to Ming Ling Primary School web page based on the specifications given:
- Set the width and height of the media player to 600 pixels and 450 pixels.
 - Display the player controls in the web page.
 - Set *schoolsong.mp4* and *schoolsong.webm* as source files for the video clip.
 - Use the *schoolimage.png* file as the poster image for the video clip.
 - Use the `` and `<p>` tags to display the following message if the browsers do not support the video element.
 “To play this video clip, your browser needs to support HTML5.”
- (8 marks)
- b) Identify **THREE (3)** modules that can be added to Ming Ling Primary School website. Justify your answer. (9 marks)

BAIT1023 WEB DESIGN AND DEVELOPMENT**Question 3 (Continued)**

- c) Write the style declarations code to accomplish the following tasks:
- (i) Align all heading elements to the center of the Web page. (2 marks)
 - (ii) Set the font size of the aside element with the id "main" to 18 pixels. (2 marks)
 - (iii) Insert the text string "- -" before and after every paragraph belonging to the "review" class. (2 marks)
 - (iv) Set table element with yellow background color and Verdana, sans-serif text font. (2 marks)

[Total: 25 marks]

Question 4

- a) Write HTML code to create the form as shown in Figure 2 based on the following specifications:
- Set "Donation to Ming Ling Primary School" as heading 2.
 - Set id of the form as "donation" and use post method to send the form data to <http://minglingschool.edu.my/donation.php>.
 - For each form element, set appropriate data for their attributes such as type and id.
 - "Credit card" consists of 2 options. Give them a group named called "cardtype" with unique ids and values. Set the "Visa" option as default option.
 - Create submit and reset buttons.
 - There is no need to create <label> element for each form element. Use
 to separate each form element except the buttons.

Donation to Ming Ling Primary School

Name :

Email :

Donation Amount :

Credit Card: ☒ Visa ☐ MasterCard

Card Number :

Figure 2

(16 marks)

BAIT1023 WEB DESIGN AND DEVELOPMENT**Question 4 (Continued)**

b) With reference to Question 4 a), write JavaScript code to accomplish the following tasks:

- Declare a variable called “donatedamount” to store the text data that get from “Donation Amount” textbox.
- Create a thank_alert() function to display a alert dialog box as shown in Figure 3 when “Donate Now” button is clicked. Use onsubmit event handler to call thank_alert() function and submit the form data.

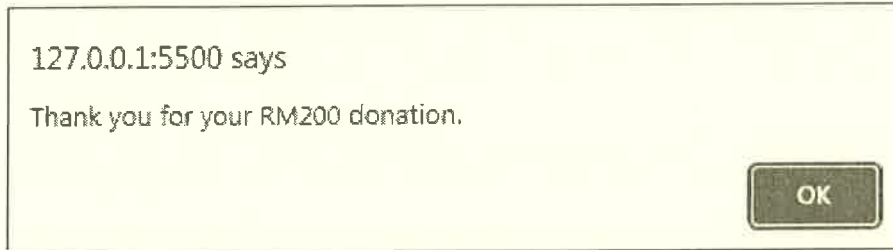


Figure 3

(9 marks)

[Total: 25 marks]