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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2018/2019**

COURSE NAME : RICH INTERNET APPLICATION
DEVELOPMENT

COURSE CODE : BIM 33003

PROGRAMME CODE : BIM

EXAMINATION DATE : DECEMBER 2018 / JANUARY 2019

DURATION : 3 HOURS

INSTRUCTION : ANSWERS ALL QUESTION

THIS QUESTION PAPER CONSISTS OF FIVE (5) PAGES

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Q1 (a) Identify the appropriate HTML5 element/attribute based on the following requirements.

(i) When the document loads, automatically focus one particular form field. (2 marks)

(ii) This HTML5 attribute allows browsers to prevent form submissions if the required fields have not been filled out. (2 marks)

(iii) The HTML5 element allows to mark up a value that is in the process of changing. (2 marks)

(b) Give **TWO (2)** attributes that can be embedded in both HTML5 audio and video element. (2 marks)

(c) Describe **THREE (3)** correct usage of the following HTML5 semantic elements with appropriate examples for each:

`<header>` `<article>` `<footer>`

(6 marks)

(d) Write a simple implementation of the appropriate tag to link to the following URL:

`http://www.yoururl.com/`

(2 marks)

(e) Write a simple implementation of the `<video>` tag to embed a video with user control stored at `http://www.example.com/amazing_video.mp4`. Assume the video with a width of 640 pixels by 360 pixels.

(8 marks)



Q2 Given the following Figure Q2:

What is your Academic Status? _____

Good Standing

Conditional

Terminated

Figure Q2

(a) Write an HTML codes using `<form>` that produce a web page component as depicted in Figure Q2.

(12 marks)

(b) Construct a CSS codes to give styling to the web page component in Figure Q2 using Inline method according to the following specification:

```
/*hide the input checkbox type*/  
/* given a green background color */  
/* given a green border color */  
  
/* given padding not to stick to edges */  
/* given radius for better border view */  
/* positioning facility for the icon */
```

(10 marks)

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Q3 Write the HTML5 codes to produce the user interface components as shown in Figure Q3(a) and Figure Q3(b)

(a)

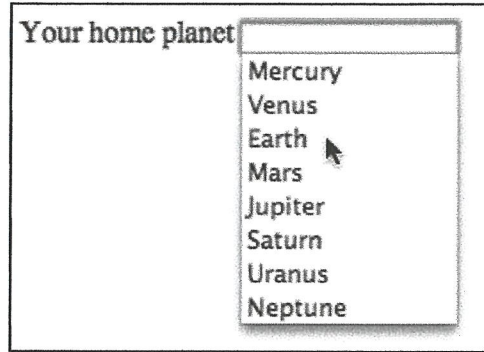


Figure Q3(a)

(12 marks)

(b)

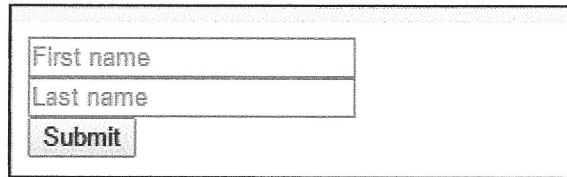


Figure Q3(b)

(4 marks)



Q4 Questions Q4(a)-Q4(b) are based on Figure Q4.

```
<!DOCTYPE html>
<head>
<meta content="en-us" http-equiv="Content-Language"/>
<meta content="text/html; charset=utf-8" http-equiv="Content-
Type"/>
</head>
<body>
  <audio control>
    <source src="youraudio.mp3" type="audio/mp3">
  </audio>
  <button
onclick="document.getElementById('player').play()">
  Play
  </button>
<script>
  var audio = document.getElementsByTagName ('audio')[0];
</script>

</body>
</html>
```

FIGURE Q4

- (a) Rewrite the given HTML5 tags to add Pause, Volume Up and Volume Down button to a webpage. (14 marks)
- (b) Write HTML tags to embed a video with height of 360, width of 480 and a poster of Jpeg image file. (4 marks)

-END OF QUESTION-

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