

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2011 A/L

- 1) Select & underline the correct layout corresponding to the following code segment of an HTML document.

```
<ul>
<li>Fruits
<ul><li>Mango
<ul>
<li>Gira amba</li>
<li>Dampara</li></ul></li>
<li>Pineapple</li></li></ul>
<li>Vegetables</li>
</ul>
```

- | | | |
|---|--|---|
| <ul style="list-style-type: none">○ Fruits○ Mango<ul style="list-style-type: none">○ Gira amba○ Dampara○ Pineapple○ Vegetables | <ul style="list-style-type: none">○ Fruits<ul style="list-style-type: none">○ Mango○ Gira amba○ Dampara○ Pineapple● Vegetables | <ul style="list-style-type: none">○ Fruits○ Mango○ Gira amba○ Dampara○ Pineapple○ Vegetables |
| <ul style="list-style-type: none">● Fruits<ul style="list-style-type: none">○ Mango<ul style="list-style-type: none">■ Gira amba■ Dampara○ Pineapple● Vegetables | <ul style="list-style-type: none">● Fruits<ul style="list-style-type: none">○ Mango○ Gira amba○ Dampara○ Pineapple● Vegetables | |

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2) Consider the following items:

- A. Radio
- B. Textarea
- C. Select
- D. Checkbox
- E. Textbox

Which of the above can go as attributes of an input element in a form?

- 1) A, B and C only.
- 2) A, B and D only.
- 3) A, D and E only.
- 4) B, C and D only.
- 5) B, D and E only.

2012 A/L

3) Which is the correct mark up for a comment in an HTML document?

- 1) <!Districts of Sri Lanka
- 2) <! --Districts of Sri Lanka-->
- 3) //Districts of Sri Lanka
- 4) < *Districts of Sri Lanka*>
- 5) <!Districts of Sri Lanka!>

4) The required minimum and maximum working hours per day for an employee in a factory are 5 and 12 respectively. Which of the following is the most appropriate validation check to ensure that the integer value entered as the working hours, through a web- based form, is correct?

- 1) Range
- 2) Length
- 3) Type
- 4) Numeric value
- 5) Number of digits

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)

No - 09

- 5) Consider the following URL.
<http://www.schools.org/2012/lessons/index.html> Which of the following indicates the protocol of the above URL?
- 1) http
 - 2) html
 - 3) www
 - 4) org
 - 5) www.schools.org
- 6) Which of the following HTML codes generates the table shown below?
Underline the answer.

Time Table

Time	Monday	Tuesday
8:00 - 9:00	Mathematics	Science

```
<caption>Time Table</caption>
<table border = "1">
  <thead>
    <tr>
      <th>Time</th>
      <th>Monday</th>
      <th>Tuesday</th>
    </tr>
  </thead>
  <tr>
    <td>8:00 - 9:00</td>
    <td>Mathematics</td>
    <td>Science</td>
  </tr>
</table>
```

```
<table border = "1">
  <caption>Time Table</caption>
  <tr>
    <td>Time</td>
    <td>Monday</td>
    <td>Tuesday</td>
  </tr>
  <tr>
    <td>8:00 - 9:00</td>
    <td>Mathematics</td>
    <td>Science</td>
  </tr>
</table>
```

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

```
<caption>Time Table</caption>
<table border = "1">
  <tr>
    <td>Time</td>
    <td>Monday</td>
    <td>Tuesday</td>
  </tr>
  <tr>
    <td>8:00 9:00</td>
    <td>Mathematics</td>
    <td>Science</td>
  </tr>
</table>
```

```
<table border = "1">
<caption>Time Table</caption>
  <tr>
    <th>Time</th>
    <th>Monday</th>
    <th>Tuesday</th>
  </tr>
  <tr>
    <td>8:00 9:00</td>
    <td>Mathematics</td>
    <td>Science</td>
  </tr>
</table>
```

```
<table border = "1">
  Time Table
  <tr>
    <th>Time</th>
    <th>Monday</th>
    <th>Tuesday</th>
  </tr>
  <tr>
    <td>8:00 - 9:00</td>
    <td>Mathematics</td>
    <td>Science</td>
  </tr>
</table>
```

- 7) The HTML tag `Sri Lanka` renders the document named "sriLanka.html" by a browser on
- 1) The same frame.
 - 2) A new window.
 - 3) The same window.
 - 4) A frame named "_blank".
 - 5) A window named "_blank"

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

- 8) Consider the following statements about HTML
- A. A well-formed HTML document should comprise two sections, a head and a body
 - B. An HTML document is a computer program.
 - C. White spaces, tabs and blank lines can always be used to format the display of a document.
 - D. The content of the body section is displayed by browsers.
- Which of the above are correct?
- 1) A and D only.
 - 2) B and C only.
 - 3) B and D only.
 - 4) A, C and D only.
 - 5) B, C and D only.

2013 A/L

- 9) Consider the following components:
- A. Web authoring tool
 - B. Domain name
 - C. Web pages
 - D. Web server

Which of the above components are essential for hosting a web site?

- 1) A and B only
 - 2) B and C only
 - 3) A, B and C only
 - 4) A, C and D only
 - 5) B, C and D only
- 10) Which of the following tag is used to render a heading on an HTML page?
- 1) <h2>
 - 2)
 - 3)
 - 4) <hr>
 - 5) <td>

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

11) Which of the following could be used to define a new markup language for sharing information?

- 1) CSS
- 2) XML
- 3) HTML
- 4) XHTML
- 5) JavaScript

12) Consider the following HTML code segment:

```
<dl>
<dt>Teacher</dt>
<dd>A person who teaches in a school.</dd>
<dt>Student</dt>
<dd>A person who is studying at a school</dd>
</dl>
```

Which of the following shows the correct rendering of the above HTML code segment?

Teacher
A person who teaches in a school.
Student
A person who is studying at a school

Teacher
- A person who teaches in a school.
Student
- A person who is studying at a school

Teacher
: A person who teaches in a school.
Student
: A person who is studying at a school

Teacher
: A person who teaches in a school.
Student
: A person who is studying at a school

Teacher
- A person who teaches in a school.
Student
- A person who is studying at a school

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

- 13) Which of the following statements is correct with regard to HTML tags?
- 1) The
 is used to render a blank line before and after the text.
 - 2) The <p> is used to render a blank line before and after the text.
 - 3) The
 is used to render a blank line before the text.
 - 4) The <p> is used to render a blank line only before the text.
 - 5) The <p> is used to render a blank line only after the text.
- 14) Consider the following HTML code segments:
- A. <embed height="50" width="100" src="song.mp3"></embed>
B. Song
C. <embed height="50" width="100" href="song.mp3"></embed>
- Which of the above code fragment(s) can be used to embed the audio file named "song.mp3" in a web page?
- 1) A only
 - 2) B only
 - 3) C only
 - 4) A and B only
 - 5) B and C only

2014 A/L

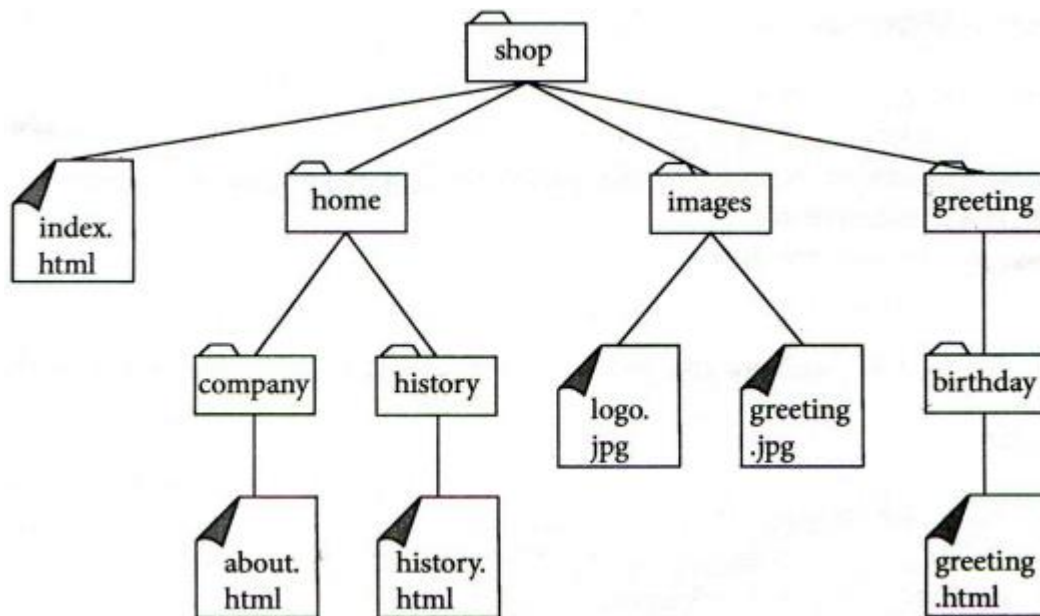
- 14) The following element is a markup for including an image to an HTML document. The name of the source file of the image used is "arrow.org" which is in the same folder as the HTML document.

Which of the following is the most suitable to fill the blank in the above element?

- 1) alt
- 2) src
- 3) scr
- 4) href
- 5) link

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

15) Consider the folder structure given below.



16) Which of the followings is the correct markup to include in the index.html to link greeting.html document?

- 1) `Greeting`
- 2) `Greeting`
- 3) `Greeting`
- 4) `Greeting`
- 5) `Greeting`

17) Which of the followings is a client-side scripting language that is commonly used to add interactivity to web pages?

- 1) CSS
- 2) PHP
- 3) XML
- 4) HTML2
- 5) JavaScript

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

18) Consider the following HTML element:

`<input type=text size=10/>`

The attribute “size” on the above element refers to the

- 1) Length of the text box in pixels.
- 2) Maximum number of characters displayed in the text box.
- 3) Maximum number of characters that can be typed into the text box.
- 4) Font size of the text box.
- 5) Number of lines displayed in the text box.

2015 A/L

19) Consider the following HTML element:

`<input type="text" name="firstname" maxlength="15"/>`

What is the effect of the attribute ‘maxlength’ on the functionality of the element above?

- 1) It sets the length of the textbox to 15 pixels.
- 2) It sets the length of the textbox to 15 characters.
- 3) It displays maximum of 15 characters in the textbox.
- 4) The display scrolls to the right after typing 15 characters.
- 5) It allows to type maximum of 15 characters into the textbox.

20) Consider the following HTML element:

` Attributes`

The value of the attribute ‘target’ in the above specifies that the linked document ‘attributes.html’ should be opened in

- 1) A new tab or window.
- 2) The same frame.
- 3) The parent frame.
- 4) The frame named “blank”.
- 5) The full body of the current window.

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

21) What is the correct CSS rule to set the background color of a web page to yellow?

- 1) body {body-color:"yellow";}
- 2) body {bgcolor: yellow;}
- 3) body {background-color: yellow;}
- 4) body {bgcolor = yellow}
- 5) body {background-color = yellow;}

22) Consider the following statements about the World Wide Web (WWW):

- A. It is a collection of interlinked, hypertext documents accessed via the Internet.
- B. It is a protocol for distributing information via computers connected to the internet.
- C. It was invented by the World-Wide Consortium (W3C)

Which of the above statement(s) is are correct?

- 1) A only
- 2) B only
- 3) C only
- 4) A and B only
- 5) A and C only

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2016 A/L

- 23) Consider the following description/definition list, rendered by a web browser:

Zigzag
Moving with sharp turns.
Back and forth
Moving side to side.
Round and round
Moving in a circle.

Which of the following answers contains all the HTML tags required to create the above list?

- 1) <dl>, <dt> only
 - 2) , only
 - 3) , only
 - 4) <dl>, only
 - 5) <dl>, <dt>, <dd> only
- 24) Consider the following statements:
- A. HTML forms can be used to submit data.
 - B. HTML forms can be used to retrieve data.
 - C. HTML forms can be placed inside another form.
- Which of the above statements is/are correct?
- 1) A only 2) B only 3) C only 4) A and B only
 - 5) B and C only
- 25) A/Anis an image with clickable sub-areas.
Which of the followings is the most appropriate to fill the blank in the above statement?
- 1) Image button
 - 2) Image map
 - 3) Anchor
 - 4) Icon
 - 5) Thumbnail

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

26) Which of the following is a valid CSS rule?

- 1) P {color: red;}
- 2) P {color = red;}
- 3) P {text-color: "red";}
- 4) P { text-color = red;}
- 5) P { text-color: red;}

27) A web browser running on a client computer A renders a web page in a web server running on a computer B. Which of the following is not a factor that affects the speed of rendering?

- 1) Size of images in the web page
- 2) Number of colors in the web page
- 3) Speed of the client computer
- 4) Efficiency of the web browser software
- 5) Number of users in the network

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2017 A/L

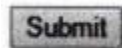
28) Consider the following HTML code:

```
<html>
  <head>
    <title>Countries</title>
  </head>
  <body>
    <p><!-- <h1> Sri Lanka </h1> --></p>
  </body>
</html>
```

Which of the followings correctly describes the display, when the above code is rendered?

- 1) The text “Country” appears on the title bar and the text “Sri Lanka” appears as a header.
- 2) The text “Sri Lanka” appears on the title bar and the text “Country” appears as a header.
- 3) The text “Country” appears on the title bar.
- 4) The text “<!--<h1>Sri Lanka</h1>-->” appears on the title bar.
- 5) The text “<!--<h1>Sri Lanka</h1>-->” appears in the body of the web page.

29) Consider the “Submit” button of an HTML form given below:



Which of the following tags/ elements correctly implements the intended function of the above “Submit” button?

- 1) <input type=” submit” value=” Submit”>
- 2) <input type=” button” value=” Submit”>
- 3) < button type=” button”> submit </button>
- 4) < button type=”submit”></ button >
- 5) < button type=” submit” value=” Submit”></ button>

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

- 30) Which of the following CSS rules renders the image in the file “school.png” as the background of a web page?
- 1) `body { background = " school.png";}`
 - 2) `body { background:url (" school.png");}`
 - 3) `body { background-image = " school.png";}`
 - 4) `body { background-image:" school.png";}`
 - 5) `body { background-image: url (" school.png");}`
- 31) Consider the following statements regarding CSS used in HTML:
- A. One style sheet can define the rendering of HTML elements in multiple documents.
 - B. No additional download is needed to import style sheets.
 - C. The HTML document must include a <link> tag.
 - D. The style attribute is required in the relevant element.

Which of the above statements are correct when using External Style Sheets?

- 1) A and B only
- 2) A and C only
- 3) B and D only
- 4) A, C and D only
- 5) B, C and D only

2018 A/L

- 32) Consider the following statements regarding HTML:
- A. HTML frames are used divide a browser window into multiple sections.
 - B. The rows attribute of <frameset> tag defines the number of vertical frames in an HTML page.
 - C. <frameset cols="100,500,100"> creates vertical frames with the specified number of millimeters.

Which of the above statement/s is/are correct?

- 1) A only
- 2) B only
- 3) A and B only
- 4) B and C only
- 5) All A, B and C

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

- 33) Consider the following HTML code with labels 1 – 3 and the expected output.

HTML code	Expected output
<pre> <html> <head> <title>Coffee Shop</title> </head> <body> <1> <2>Coffee</2> <3>black hot drink</3> <2>Milk</2> <3>white cold drink</3> </1> </body> </html> </pre>	<pre> Coffee black hot drink Milk white cold drink </pre>

What is the correct order of tags for replacing the labels 1, 2 and 3?

- 1) dt, dl, dd 2) dl, dt, dd 3) dd, dt, dl 4) dt, dd, dl
 5) dl, dd, dt
- 34) Consider the following HTML code for creating a table.

```

<html>
<head><style> table,th,td{border: 1px solid black} </style>
</head><body>
<table>
<tr><th>Name:</th> <td> Kamal </td> </tr>
<tr><th rowspan="2"> Telephone:</th> <td> 55577854</td> </tr>
<tr><td> 55577855 </td> </tr>
</table>
</body>
</html>

```

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

Which of the following is the output generated by the above code?

<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">Name:</td><td>Kamal</td></tr><tr><td>Telephone:</td><td>55577854 55577855</td></tr></table>	Name:	Kamal	Telephone:	55577854 55577855	<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">Name:</td><td>Telephone</td></tr><tr><td>Kamal</td><td>55577854 55577855</td></tr></table>	Name:	Telephone	Kamal	55577854 55577855	<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">Name: Telephone:</td><td>55577854</td></tr><tr><td>Kamal</td><td>55577855</td></tr></table>	Name: Telephone:	55577854	Kamal	55577855	<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">Name:</td><td>Kamal</td></tr><tr><td>Telephone:</td><td>55577854 55577855</td></tr></table>	Name:	Kamal	Telephone:	55577854 55577855	<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">Name:</td><td>Kamal</td></tr><tr><td>Telephone:</td><td>55577854 55577855</td></tr></table>	Name:	Kamal	Telephone:	55577854 55577855
Name:	Kamal																							
Telephone:	55577854 55577855																							
Name:	Telephone																							
Kamal	55577854 55577855																							
Name: Telephone:	55577854																							
Kamal	55577855																							
Name:	Kamal																							
Telephone:	55577854 55577855																							
Name:	Kamal																							
Telephone:	55577854 55577855																							
(1)	(2)	(3)	(4)	(5)																				

35) Which of the following is the correct HTML statement for inserting an image?

- 1) ``
- 2) ` image.gif `
- 3) ``
- 4) `<image src="image.gif" href="MyImage">`
- 5) ``

2019 A/L

36) Which of the following is the correct statement to connect to "login.php" from an HTML form?

- 1) `<form action = "GET" method = "/login.php">`
- 2) `<form action = "/login.php" method = "GET">`
- 3) `<form submit = "GET" method = "/login.php">`
- 4) `<form submit = "/login.php" method = "GET">`
- 5) `<form action = "/login.php" method = "GET">`

37) Which of the following HTML code lines is correct to create a hyperlink to the words "Department of Examinations" using the URL: `http://www.doe.index.html`?

- 1) `http://www.doe.index.html`
- 2) ` Department of Examinations `
- 3) ` `
- 4) `http://www.doe.index.html`
- 5) ` Department of Examinations `

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

- 38) Which is the most suitable HTML form element input type in which the user can enter his credit card secret number?
- 1) textarea 2) type ="checkbox" 3) type="hidden"
 - 4) type ="password" 5) type="text"
- 39) Which of the following is a valid example for a PHP variable name?
- 1) @class_name
 - 2) &class_name
 - 3) \$class name
 - 4) \$class_name
 - 5) _class_name
- 40) Which of the following is a valid example for CSS class selectors?
- 1) .myclass{color:blue;font-family:serif;}
 - 2) #myclass{color:blue;font-family:serif;}
 - 3) myclass{color:blue;font-family:serif;}
 - 4) myclass:{color:blue;font-family:serif;}
 - 5) myclass;{color:blue;font-family:serif;}
- 41) Which one of the following is false regarding the HTML form methods GET and POST?
- 1) Both methods are used to transfer data from client side to the server.
 - 2) GET method is more efficient than the POST method.
 - 3) GET method is more suitable to send sensitive data.
 - 4) POST method does not have a limit on size of data.
 - 5) POST requests cannot be bookmarked.

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2020A/L

42. Which of the following HTML tags are used to define a definition list?

- (1) <dl>, <dd>, (2) <dl>, <dt>, <dd> (3) <dl>, <td>, <dd>
(4) <dl>, <th>, <dd> (5) <dl>, <th>, <td>

43. Which HTML tag is used to include a caption for a fieldset grouping in a form?

- (1) <caption> (2) <head> (3) <label> (4) <legend> (5) <title>

44. Which is the expected output of the following PHP code block?

```
<?php  
    $one = "Welcome";  
    $two = "2020";  
echo $one.$two ;  
?>
```

- 1) Welcome.2020
- 2) Welcome2020
- 3) Welcome 2020
- 4) Welcome;2020;
- 5) Welcome.2020;

45. Which of the following affects **least** to the downloading speed of a web page?

- 1) Capability of the web browser
- 2) Number of hyperlinks in the web page
- 3) Number and size of images in the web page
- 4) Processing power of the server computer that stores the web page
- 5) The bandwidth of the internet connection which is used to access the web page

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)

No - 09

46. Which of the following statements is true about the code given below?

```
<style>
    .title {
        text-align: center;
        color: blue;
    }
</style>
```

- 1) This defines internal styles and uses the CSS 'class' concept.
- 2) This defines internal styles and uses the CSS 'group' concept.
- 3) This defines inline styles and uses the CSS 'group' concept.
- 4) The styles defined inside the code can be used only for one type of element.
- 5) This is an example of the CSS 'id' concept and the name of the Id is 'title'.

47. Consider the following HTML code line:

```
<a href="#PartA"> Go to Part A </a>
```

Which of the rows in the following table describes the outcome of the above code line?

	Displayed as a hyperlink	To which the hyperlink connects to
(1)	#PartA	new web page named "Go to Part A"
(2)	#PartA	part of the same page named with Id "Go to Part A"
(3)	Go to Part A	new web page named "#PartA"
(4)	Go to Part A	part of the same web page named with Id "#PartA"
(5)	Go to Part A	part of the same web page named with Id "PartA"

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2021 A/L

48) Read the following sentence about website development:

To make a effective website, it is important to identify its objectives and the targetA... and then design the most useful information layout for the website accordingly.

Which of the following is the correct choice for the blank A above?

1) Audio 2) images 3) text 4) users 5) video

49) Which of the following is the correct example for CSS group selector?

- (1) h1{text-align:left ; color:blue;}
- (2) h1,h2{text-align:left , color:blue;}
- (3) h1.h2{text-align:left; color:blue;}
- (4) h1:h2{text-align:left; color:blue;}
- (5) h1,h2{text-align:left; color:blue;}

50) Consider the following HTML code:

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
    background-image: url('srilanka.jpg');
}
</style>
</head>

<body>
<h2>Sri Lanka</h2>
<p>Sri Lanka, the island of serendipity, is really a <i>pearl in the
orient</i>.</p>
</body>
</html>
```

Which of the following statements is/are correct about the observations when the above code is viewed through a web browser?

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

- A. The `srilanka.jpg` image (if existing) will be displayed as the background to the web page.
- B. The **Sri Lanka** word which is enclosed within `<h2>` and `</h2>` tags will appear in italics.
- C. The pearl in the orient phrase enclosed within `<i>` and `</i>` tags will appear in italics.
- 1) A only 2) B only 3) C only 4) A and B only
5) A and C only
- 50) Which of the following statements is correct about the following code line when it is rendered through a web browser?
- ```
<input type="radio" name="vaccinate" value="Yes">
```
- 1) It shows a radio button with a label named vaccinate at left side.  
2) It shows a radio button with a label named vaccinate at right side.  
3) It shows a radio button with a label named Yes at left side.  
4) It shows a radio button with a label named Yes at right side.  
5) The word Yes is not shown to user.
- 51) Consider the following PHP code line which is used to create a MYSQL database Connectivity:
- ```
$conn = new mysqli($var1, $var2, $var3, $var4);
```
- Which of the following is the correct representation for the above variables?
- (1) \$var1 = database, \$var2 = server name, \$var3 = user name, \$var4 = password
(2) \$var1 = database, \$var2 = user name, \$var3 = password, \$var4 = server name
(3) \$var1 = server name, \$var2 = database, \$var3 = user name, \$var4 = password
(4) \$var1 = server name, \$var2 = user name, \$var3 = password, \$var4 = database
(5) \$var1 = user name, \$var2 = password, \$var3 = server name, \$var4 = database

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

52) What would be the output when the following PHP code is executed?

```
<html>
<body>
<?php
    $class = array ("12-A", "12-B", "13-A");
    echo "IT classes are " . $class[1] . " and " . $class[2] ;
?>
</body>
</html>
```

- | | |
|-------------------------------------|--------------------------------------|
| (1) IT classes are 12-A and 12-B | (2) IT classes are "12-A" and "12-B" |
| (3) IT classes are 12-B and 13-A | (4) IT classes are .12-A. and .12-B |
| (5) IT classes are .12-B. and .13-B | |
-

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2022/2023 A/L

53) Which of the following HTML tags can be used to change the appearance of a word in a text?

- (1) <i>, , ,
 (2) , <i>, , <h1>
(3) , , <sup>, (4) <i>, <u>,
, <sup>
(5) <u>, <i>, ,

54) What would be the output of the following HTML code segment?

```
<dl>
  <dt> Vegetable </dt>
  <dd> Potato </dd>
  <dt> Fruit </dt>
  <dd> Orange </dd>
</dl>
```

- (1) • Vegetable
 • Potato
• Fruit
 • Orange
- (2) Vegetable
 Potato
 Fruit
 Orange
- (3) • Vegetable
 Potato
• Fruit
 Orange
- (4) 1. Vegetable
 Potato
2. Fruit
 Orange
- (5) • Vegetable
 - Potato
• Fruit
 - Orange

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

55) Which of the following statements is/are correct regarding HTML and CSS?

- A. CSS can be used to describe how HTML elements are to be displayed on screen.
- B. External CSS can be used to define the style for many HTML pages.
- C. Inline CSS can be used to apply a style to a single HTML element.

- 1) A only 2) A and B only 3) A and C only
4) B and C only 5) All A, B and C

56) Which of the following HTML code line can be used to create a hyperlink to the website of the National Institute of Education? (The URL of the website is <http://nie.lk>)

- (1) `National Institute of Education`
- (2) `National Institute of Education`
- (3) `National Institute of Education`
- (4) `<a href = "http://nie.lk"National Institute of Education>`
- (5) `<a src = http://nie.lkNational Institute of Education>`

57) Which of the following could be used to create an array in PHP?

- A - `$city[] = array("Colombo");`
B - `city[] = "Colombo";`
C - `$city = array("Colombo");`
- (1) A only (2) B only (3) C only
(4) A and C only (5) B and C only

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)

No - 09

- 58) Given below is a partially completed PHP script used to connect to a database named Employees using MySQLi (procedural method). Which option is most suitable to fill in the blank spaces A, B and C respectively?

```
<?php
    $servername = "127.0.0.1";
    $username = "username";
    $password = "password";
    $conn = mysqli_connect($servername, $username, $password);
    if (!$conn) {
        die("Connection failed: " . mysqli_connect_error());
    }
    $sql = "CREATE DATABASE ____ (A) ____";
    if (mysqli_query(____ (B) ____, ____ (C) ____)) {
        echo "Database created successfully";
    } else {
        echo "Error creating database: " . mysqli_error($conn);
    }
    mysqli_close($conn)
?>
```

- | | |
|--------------------------------|------------------------------|
| (1) \$sql, \$conn, \$Employees | (2) \$conn, \$sql, Employees |
| (3) \$Employees, \$conn, \$sql | (4) Employees, \$conn, \$sql |
| (5) Employees, \$sql, \$conn | |

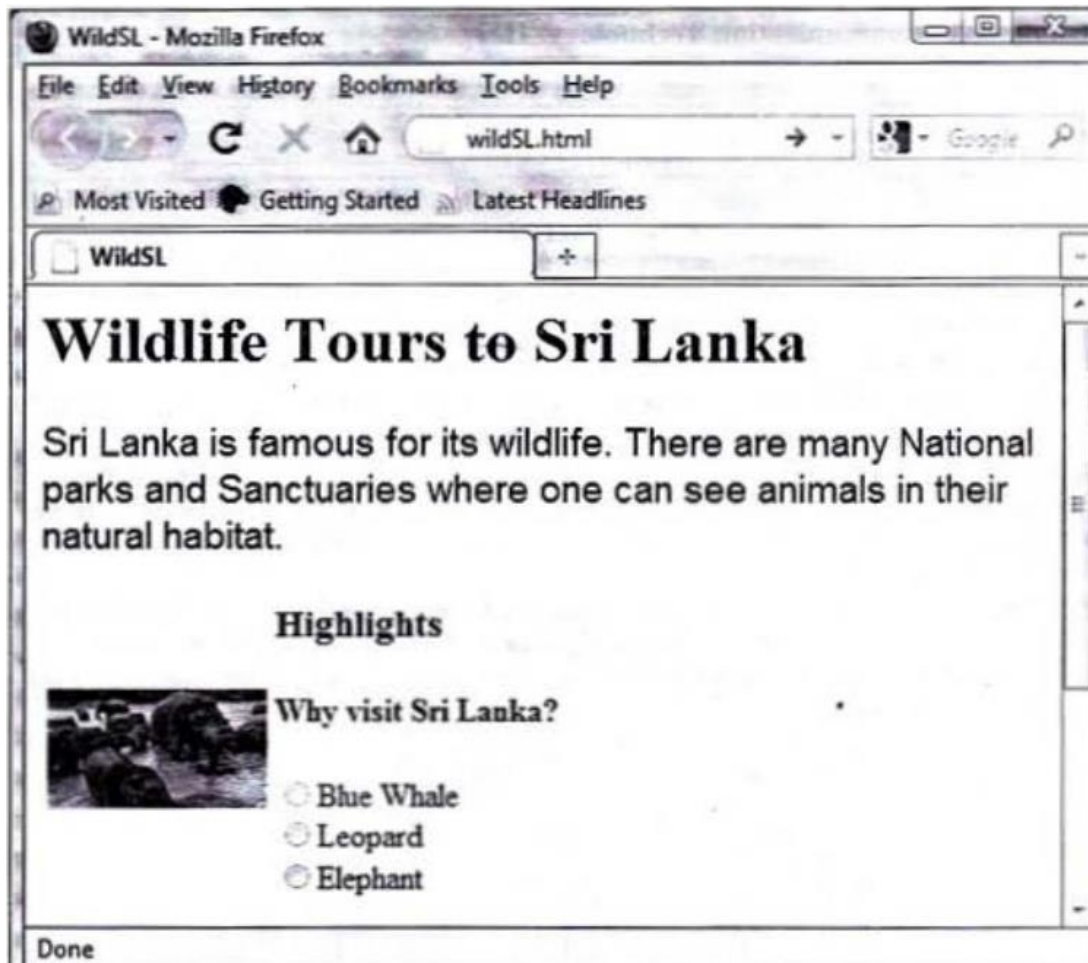
59)

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2011 A/L

1.

- a. Describe the items “elements” and “attributes with respect to an HTML document.
- b. Identify each of the following as either an element or attribute and describe their functionality.
 - i. br
 - ii. href
 - iii. src
 - iv. html
- c. Consider the following figure which shows a section of a web page of a tour operating company in Sri Lanka.



Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

Answer the following questions using the above figure.

- 42) It is required to format all the paragraphs of the above HTML document in “arial” font, 14 font size and in blue color. Write the required CSS code segment for the paragraph.
- 43) Explain the effect of having the following tag in the above HTML document.

```
<a href = "elephants.jpg"><img src = "elephants_tnl.jpg"
ALT = "Tour to Yala" width = "288cm" height = "156cm"
style = "border:none"/></a>
```

- 44) Write HTML code segment to create the collection of three radio buttons labelled as “Blue Whale”, “Leopard” and “Elephant” as appeared in the above HTML document.
- 45) The company wants to add a table showing the rates as given below with the caption “Wild Sri Lanka” to the above HTML Document.

Days	Price
7	US\$910
10	US\$1220

Write HTML code segment to create the table.

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

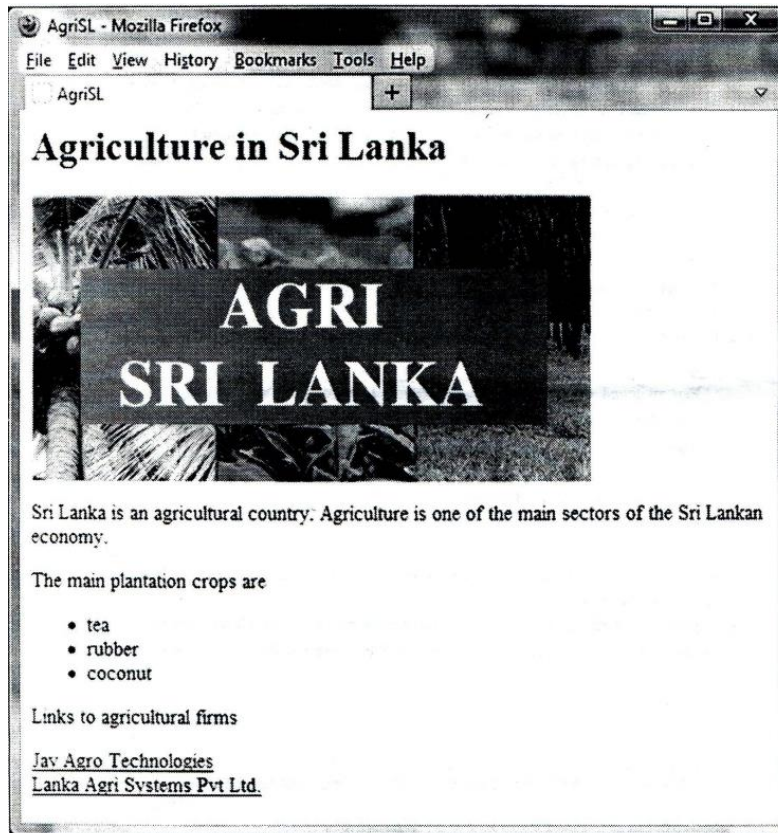
2012 A/L

1)

- a. What would be the responses by a browser for a paragraph tag and for a break tag in an HTML document?
- b. What will be displayed when the following HTML code segment is rendered? Clearly indicate blank line(s) in the display, if any, with dotted lines (.....).


```
<p>Our evergreen school days<br/>
will not come back again</p>
<p>From the nursery to high school
we learnt the best</p>
```
- c. A company named “Agri Sri Lanka” requires a web page as given below.

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09



Write an HTML code to produce the above web page. Assume that the name of the image file is "agriSL.jpg". The links, **Jay Agro Technologies** and **Lanka Agri Systems Pvt Ltd.** Should link to the sites <http://www.jayagrotec.com> and <http://www.lkagrisys.com> respectively.

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2013 A/L

Consider the section of a web page on the Sri Lankan Test Cricket team, given in the Figure:


Sri Lankan Test cricket records

The Sri Lankan national cricket team played their first Test match on 17 February 1982 against England.

Record Groups

- Team records
- Individual records
- Partnership records

Partnership records



Sri Lanka holds the most number of partnership records in Test cricket, with the records for the second, third, fourth, and sixth wickets. South Africa and Pakistan are ranked second with two records each.

Highest wicket partnerships

Runs	Wicket	Partners
335	1st wicket	Marvan Atapattu Sanath Jayasuriya
576	2nd wicket	Sanath Jayasuriya Roshan Mahanama

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

A partial HTML document of the file “cricket.html” which generates the above web page is given below. Fill in the blanks of the HTML document with the appropriate tags to render the web page.

Notes:

1. When the user clicks on the phrase “Sri Lankan national cricket team” it should display the document named “team.html”.
2. Name of the source file of the image displayed on the above webpage is “cricket.jpg”.
3. The link to the image “cricket.jpg” should have an alternative description “cricket”.

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

```
<html>
<head>
  <.....>Test Cricket<.....>
</head>
<body>
  <.....>Sri Lankan Test cricket records<.....>
  <.....>
  <p>The<.....>
    Sri Lankan national cricket team <.....>
    played their first Test match on 17 February 1982 against England.
  </p>
  <p><.....>Record Groups<.....></p>
  <.....>
    <li>Team records</li>
    <li>Individual records</li>
    <li>Partnership records</li>
  <.....>
  <.....>Partnership records<.....>
  <p><.....>Sri Lanka holds the most
    number of partnership records in Test cricket,
    with the records for the second, third, fourth, and sixth wickets.
    South Africa and Pakistan are ranked second with two records each.
  </p>
  <.....>
  <.....>Highest wicket partnerships<.....>
  <tr>
    <th>Runs</th>
    <th>Wicket</th>
    <th colspan = "2">Partners</th>
  </tr>
  <tr>
    <td>335</td>
    <td>1st wicket</td>
    <td>Marvan Atapattu</td>
    <td>Sanath Jayasuriya</td>
  </tr>
  <tr>
    <td>576</td>
    <td>2nd wicket</td>
    <td>Sanath Jayasuriya</td>
    <td>Roshan Mahanama</td>
  </tr>
</table>
</body>
</html>
```


Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2014 A/L

- 1)
a) Consider the definition list given below rendered by a web browser.

CPU	Central Processing Unit
ROM	Read Only Memory

Complete the following HTML code segment to display the above list.

```
<dl>  
    <.....>CPU<.....>  
    <.....>Central Processing Unit<.....>  
    <.....>ROM<.....>  
    <.....>Read Only Memory<.....>  
</dl>
```

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

b) Write the outputs of the following HTML code segments when rendered by a web browser.

(i) `<abc>Greetings!</abc>`

.....

(ii) `</u>Greetings!<u>`

.....

c) Consider the following output with check boxes rendered by a web browser:

Programming Languages Used:

C ☐ Java ☐ Python ☐

Complete the following HTML code segment to render the above output.

`<form method = "get" action ="">`

.....

.....

.....

.....

`</form>`

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2015 A/L

1. (a) Consider the web form given in the figure which has been developed for sending text messages from a web application.

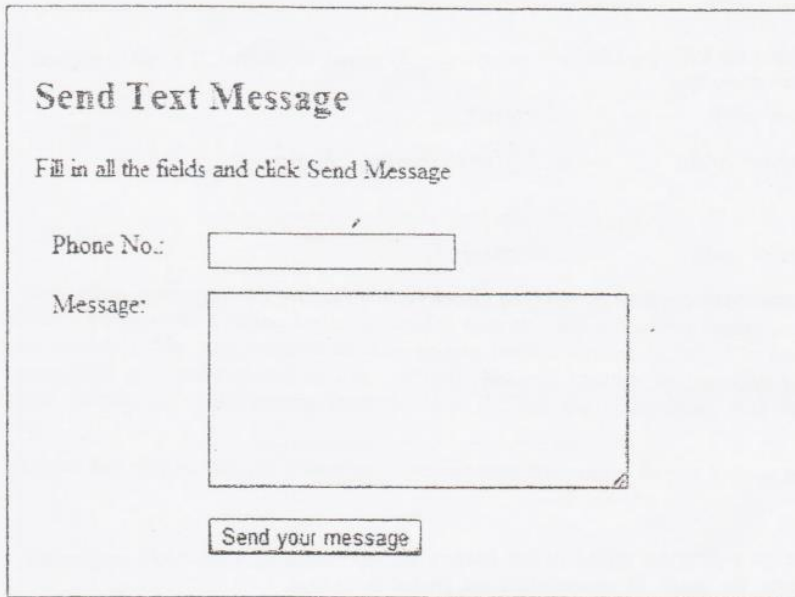


Figure: Form used to send text messages

The partial HTML code segment given below is prepared to generate the above form. Complete the code segment to render the above form.

```
<h2>Send Text Message</h2>
<p>Fill in all the fields and click Send Message</p>
<form action="" method="POST">
  <div class = "a">
    <div class = "l"> Phone No.:</div>
    <div class = "r"><input type=..... name="phone" size="20"></div>
  </div>
  <div class = "a">
    <div class = "l">Message:</div>
    <div class = "r"><.....name="message" rows="7" cols="30">
      </.....></div>
  </div>
  <div class = "a">
    <div class = "r"><input type="submit" value=.....></div>
  </div>
</form>
```

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

(b) A well formed syntactically correct HTML code has been developed to render a web page which includes an image of a school. However, the browser does not display the image. Instead, it only displays the text "School" which is given as the 'text' attribute of alt. Give two possible reasons for this behaviour.

(i) IMG SRC

(ii)

(c) Indicate whether the following CSS rules are syntactically correct or incorrect. If a rule is incorrect, write the correct version.

(i) p {color: red;}

p{font-type: Arial;}

(ii) body{color: red;}

{background-color: yellow;}

(iii) h1, h3{color: blue;}

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2016 A/L

1. (a) State the operation of each HTML code segments given below. Assume that all images and HTML documents are in the same folder.

(i) `Cover Page`

(ii) `Content`

(iii) ` `

(b) Which of the three mechanisms used to apply styles to HTML elements increases the maintainability of a web site?

(c) Consider the following HTML code segment:

```
<body>
  <h2>How web search engines work</h2>
  <p>A search engine maintains three processes.
</p>
</body>
```

Write the internal styles required to apply the following styles for the elements in the above code segment.

Element	Property	Style
h2	Colour	Red
	Text	Centre aligned
P	Font	Courier New, 14 points high

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2017 A/L

6. Environmental Institute of Colombo intends to develop a website to provide information on an art competition for students. A web page from this website and another web page with the entry form to register for the competition are shown in the Figure 6.1 and Figure 6.2 respectively.



Figure 6.1: A web page of the website

- (a) Using appropriate HTML tags, create an HTML file required to render the web page as shown in Figure 6.1. Your code should satisfy the following requirements.

It is required to format the text of the list in 'Calibri' font, 14 points high, in red color. The list should be bulleted with squares. Format the list by using internal or external style sheets only.

Further, when a user clicks on the hypertext 'online entry form' on the web page, the entry form given in Figure 6.2 should be rendered on a new tab/page. Assume that the name of the HTML file of the web page with the entry form is 'form.html'.

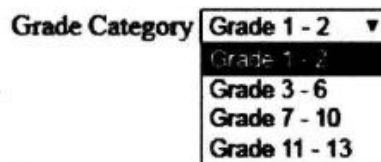
Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09



The screenshot shows a web browser window titled "Entry Form". The address bar displays "file:///F:/form.html". The main heading is "Art Competition Online Entry Form 2017". Below this, the theme is "Litter on the environment". The form includes a "Name:" text input field, a "Gender:" section with radio buttons for "Male" and "Female", and a "Grade Category" dropdown menu currently set to "Grade 1 - 2". Under "Art media:", there are four checkboxes for "Water Colours", "Colour Pencils", "Crayon", and "Chalk". At the bottom, there are two buttons: "Clear your Entries" and "Submit".

Figure 6.2: Entry form

- (b) Using appropriate HTML tags, create an HTML file to render the entry form given in Figure 6.2. The options for 'Grade Category' are given in the Figure 6.3. Your code should satisfy the following requirements. When the 'Clear your Entries' button is clicked, all the entries of the form should be cleared. Similarly, when the 'Submit' button is clicked, the form should be submitted to the server.



The image shows a dropdown menu for "Grade Category". The selected option is "Grade 1 - 2". The dropdown list is open, showing the following options: "Grade 1 - 2", "Grade 3 - 6", "Grade 7 - 10", and "Grade 11 - 13".

Figure 6.3: Options for Grade Category

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2018 A/L

1. (a) (i) State **two** benefits of using Cascading Style Sheets (CSS).

(1)

(2)

(ii) Write the output of the following HTML code segment when rendered by a web browser.

```
<html>
<body>
<u> Important Sites </u>
<ul>
  <li> <a href="www.nie.lk/index.html"> National Institute of Education </a></li>
  <li> <a href="www.doenets.lk/exam/index.html"> Department of Examinations </a></li>
</ul>
</body>
</html>
```

.....

.....

.....

.....

(iii) Write the output of the following HTML code segment when rendered by a web browser.

```
<html>
<body>
<p>
<center> Department of Examinations <br> Pelawatta
<br> Battaramulla </center></p><hr>
</body>
</html>
```


Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

(b) Consider the following HTML code segment:

```
<body>  
  <h1> Introduction to Web Technologies </h1>  
  <h3> HTML </h3>  
  <p> HTML is the standard markup language for creating web pages </p>  
</body>
```

Write down the internal styles required to apply the styles mentioned in the following table for the elements *h1* and *p* in the above code segment.

Element Name	Attribute	Attribute Value
<i>h1</i>	<i>color</i> <i>text-align</i> <i>font-family</i>	<i>blue</i> <i>centre</i> <i>Arial</i>
<i>p</i>	<i>background-color</i> <i>font-size</i>	<i>Yellow</i> <i>12px</i>

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

(c) Consider the HTML form given below rendered by a web browser:

This is a registration form used for registering students. It is required to enter *Student Name* as a text input, select *Gender*, select *District* and then click *Submit* button. Complete the following HTML code segment by filling the spaces to display the form.

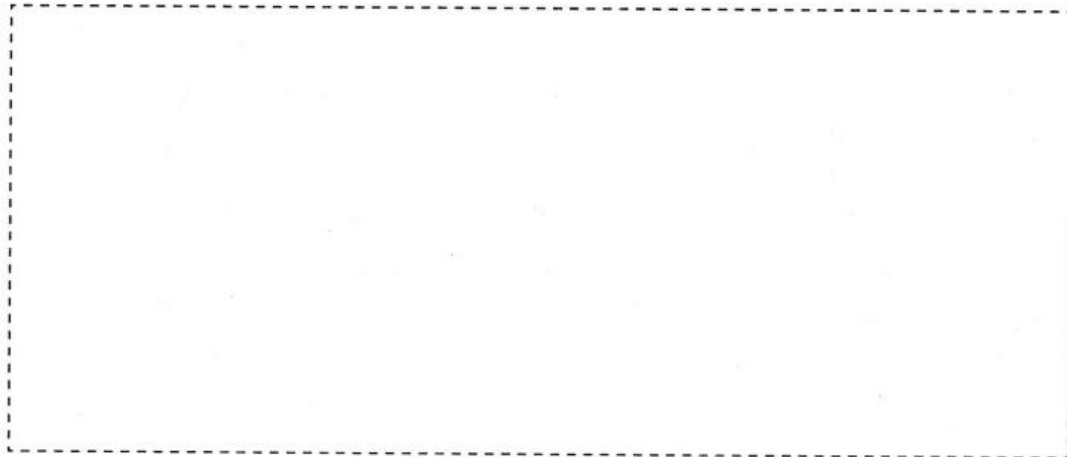
```
<html>
<body>
<h3>Student Registration </h3>
<..... action="register.php" method="post">
<div>
    Student Name <input .....="name">
</div>
<br>
<div>
    Gender
    <input .....="type" .....="male" checked> Male
    <input .....="type" .....="female"> Female
</div>
<br>
<div>
    Selected District :
    <.....="city">
        <option .....="Colombo"> ..... </option>
        <option .....="Jaffna"> ..... </option>
        <option .....="Matara"> ..... </option>
    </.....>
</div>
<br>
    <input ..... name="submit" .....="Submit">
</.....>
</body>
</html>
```

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2019 A/L

1. (a) (i) Draw the expected output of the following HTML code segment when rendered by a web browser.

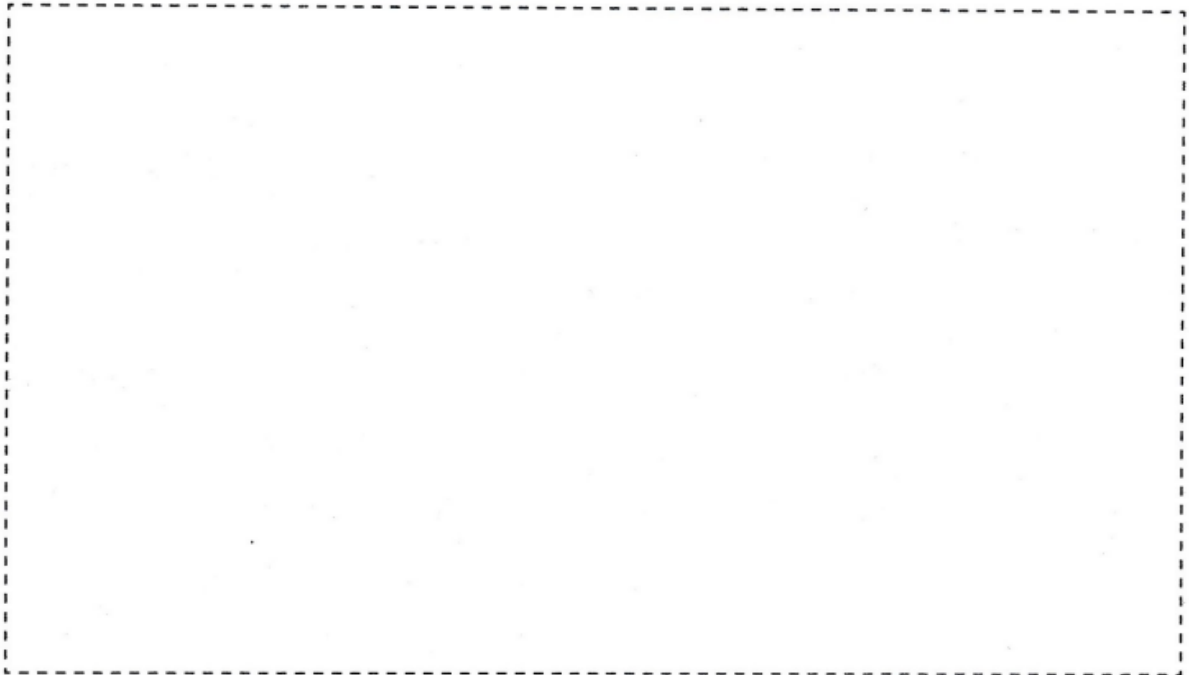
```
<html>
<body>
<!--Effects of Social Networking -->
<p>Social networking has <br> <u>advantages</u> and disadvantages </p>
</body>
</html>
```



Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

- (ii) Draw the expected output of the following HTML code segment when rendered by a web browser.

```
<html>
<body>
<table border="1">
<caption>Schedule</caption>
<tr><th>Time</th><th>Event</th></tr>
<tr><td>8 am</td><td>Drama</td></tr>
<tr><td>10 am</td><td>News</td></tr>
<tr><td colspan =2> Lunch</td></tr>
</table>
</body>
</html>
```



Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

(b) (i) Write **two** advantages of using *external style sheets* when creating a web page.

(1)

(2)

(ii) Consider the following HTML elements require the styles as given in the table.

Element Name	Attribute	Attribute Value
<i>p</i>	<i>color</i> <i>font-family</i> <i>text-align</i>	<i>red</i> <i>Calibri</i> <i>justify</i>
<i>h1</i>	<i>color</i> <i>font-family</i>	<i>red</i> <i>Calibri</i>
<i>h2</i>	<i>color</i> <i>font-family</i> <i>text-align</i>	<i>red</i> <i>Calibri</i> <i>justify</i>

Write an *external style sheet* in the **most efficient way** to fulfil the above requirements using only the **CSS group selector** concept.

.....

.....

.....

.....

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

- (c) The following PHP code is intended to add data into 'name' and 'class' fields of the table named 'student' in the MYSQL database called 'school_db'. User name and password to login to 'school_db' are 'admin' and 'A!2t*' respectively.

Complete the PHP code segment by filling the blanks.

```
<?php
$conn = new mysqli('localhost', ..... , ..... , .....);
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "..... into ..... (..... , ..... )
values ('Piyal', 'I2-B')";

if ($conn->query(.....) ==true) {
    echo "New record created successfully";
} else {
    echo "Error: " . $sql . "<br>" . $conn->error;
}

$conn->close();
?>
```

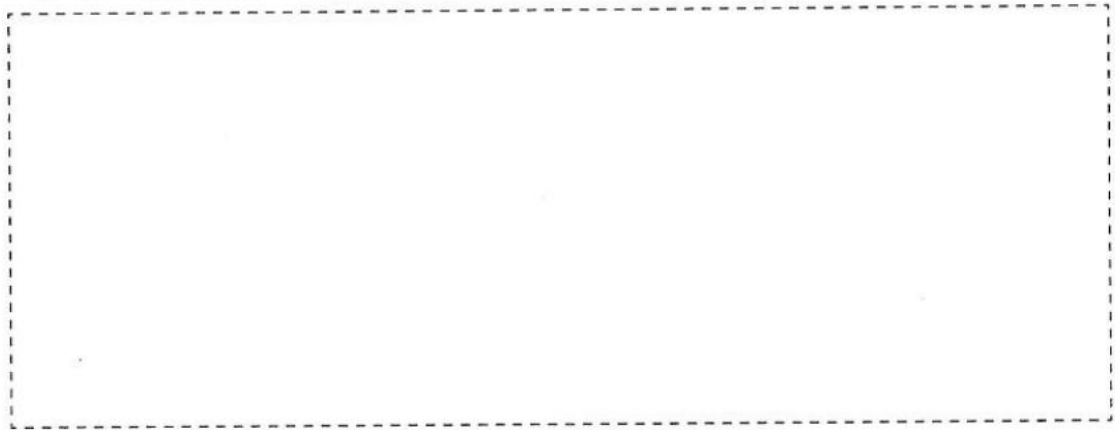
Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2020 A/L

1. (a) Draw the expected output of the following code segment when rendered by a web browser.

```
<html>
<body>
<table border=1>
  <tr><th>No</th><th>Type</th><th>City</th></tr>
  <tr><td>1</td><td rowspan=2>High</td><td>Galle</td></tr>
  <tr><td>2</td><td>Jaffna</td></tr>
</table>
</body>
</html>
```

Note : Please consider the edges of the following dotted line box as the display area of web browser.



Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

- (b) Consider the following html code in which the lines are numbered to answer the questions in this part.

1.	<html>
2.	<head>
3.	<style type="text/css">
4.	h1,h2{color:blue;}
5.	</style>
6.	</head>
7.	<body>
8.	<h1 style="color:green;">Title One</h1>
9.	<h2>Title Two</h2>
10.	</body>
11.	</html>

- (i) What are the colours of the text in line numbers 8 and 9 when the above code is rendered by the browser?

Line number	Text	Colour
8	Title One
9	Title Two

- (ii) Write **one** advantage of defining styles as in line numbers 3, 4 and 5 over that of line number 8.

.....

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

(iii) Write only the content of an **external style** sheet to include the following:

- a) the style defined in line number 8 and
- b) a CSS Id named 'appear' to define the style of the font as 'Arial'

.....

(c) The following **four** PHP code blocks which are labeled as A, B, C and D are taken from a code intended to retrieve data from a database to display on the screen. However, the code blocks are not in correct order.

Label	Code Block
A	<pre>\$sql = "SELECT itemcode, name FROM Product"; \$result = \$conn->query(\$sql);</pre>
B	<pre>if (\$conn->connect_error) { die("Connection failed: " . \$conn->connect_error); }</pre>
C	<pre>if (\$result->num_rows > 0) { while(\$row = \$result->fetch_assoc()) { echo "Code:".\$row["itemcode"]."/Item:".\$row["name"]."
"; } } else { echo "0 results"; }</pre>
D	<pre>\$conn = new mysqli("localhost", "admin", "C#a8t", "StoreDB");</pre>

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

- (i) Write the labels of the four code blocks in the **correct order** inside the four blanks of the following PHP script.

```
<?php
```

```
.....
```

```
.....
```

```
.....
```

```
.....
```

```
$conn->close();
```

```
?>
```

- (ii) If the above code blocks are in the correct order, what is the expected output if the 'Product' table has only the following values?

Product

itemcode	name
P1	Pen
P3	Book

```
.....
```

```
.....
```

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2021 A/L

1. (a) (i) In the following HTML code, underline the parts containing errors. (Please ignore line numbering.)

```
1. <html>
2. <body background-color="green">
3. <h1> Welcome all of you to online ICT Seminar </h1>
4. <a url="#one" >A/L Student Section</a>
5. <p> O/L ICT is not available</a>
6. <-- Section 1 -->
7. <h4> A/L ICT </h4>
8. <hr><p>Good Morning</p></hr>
9. <br><p> This section is for students </p>
10. </body></html>
```

[02 marks]

- (ii) Write the relevant correct code lines to make "A/L Student Section" (in line number 4) a hyperlink to "A/L ICT" (in line number 7).

Code for Line 4 :

Code for Line 7 :

.....

[01 mark]

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)

No - 09

(b) Consider the styles in Table 1, to answer the given questions.

Table 1

Selector	Description of the Style
Class with a class name “art”	Size of the font is 14px, Text should be centered
Header 1	Text color is yellow

- (i) It is expected to use the above styles in several web pages on a web site. Write a suitable cascading style sheet to define the styles given in Table 1 to satisfy this requirement.

.....

.....

.....

[01 mark]

- (ii) Write the relevant HTML code lines to include the style sheet defined in part (b)(i) into a web page. [Assume that the style sheet created in part (b)(i) is saved with the name **neat**.]

.....

.....

.....

[01 mark]

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

(c) An output of an HTML code rendered by a browser is shown below.

Chess Tournament

Category I

- Team A
- Team C

Category II

- Team B
- Team D

Registration Form

Select the team: Team A ▼

Your Comments:

☐ Food Required ☐ Accommodation Required

Submit

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

- (i) The relevant HTML code (incomplete) is given below. Fill the blanks in it in order to get the required output.

```
<html><body>
<h2>Chess Tournament</h2>
<.....>
  <dt>Category I <.....><li>Team A</li><li>Team C</li></.....></dt>
  <dt>Category II<.....>Team B</.....><.....>Team D</.....></dt>
</.....>
<h3>Registration Form</h3>
<form method="get">
  <.....>
    <label for="Team">Select the team:</label>
    <..... name="team">
      <option value="a">Team A</option>
      <option value="b">Team B</option>
      <option value="c">Team C</option>
      <option value="d">Team D</option>
    </.....><br><br>
    <label for="comment">Your Comments:</label>
    <..... name="comment" rows="3" cols="30"></.....><br><br>
    <input type=..... name="food">
    <label for="fr">Food Required</label>
    <input type=..... name="accom">
    <label for="ar">Accommodation Required</label><br><br>
    <..... type="submit" value="Submit">
  </.....>
</form>
</body></html>
```

[04 marks]

- (ii) Write the relevant HTML code line to show "Team B" as the default selection for "Select the team".

.....

.....

[01 mark]

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

2022/2023 AL

1. (a) Draw the expected output of the following HTML code segment when rendered by a web browser.

```
<html>
<body>
<table border=1>
<tr> <th>Designation</th> <th> Contact Telephone Numbers </th> </tr>
<tr> <td rowspan=2> Principal</td> <td> 061-2223211 </td> </tr>
<tr> <td> 067-5557772</td> </tr>
<tr> <td> Vice Principal</td> <td> 061-5557771 </td> </tr>
<tr> <td colspan=2> Common Phone Number: 019-2233445</td> </tr>
</table>
</body>
</html>
```

Note: Consider the following dotted line box as the display area of the browser.

(b) Rewrite the following HTML code by applying internal CSS with grouping selectors.

```
<html>
<head> <title>Cascading Style Sheets</title> </head>
<body>
<h1 style='color:blue;text-align:center'> Introduction to Cascading Style Sheets</h1>
<h2 style='color:blue'> CSS can be applied to html documents in three different ways.</h2>
</body>
</html>
```


Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

(c) Consider the HTML form given in Figure 1 rendered by a web browser.

Figure 1

The relevant HTML code (incomplete) is given below. Fill the blanks in it in order to get the output shown in Figure 1.

```
<html>
<head>Registration Form</head>
<body>
<h3>Registration for Examination</h3>

<form _____="process.php" _____="post">

<div> _____ <input _____="name"> </div>

<p>
<div>
  Select Examination Module: <p>

  <input _____="module[]" _____="ICT" /> _____ <br>
  <input _____="module[]" _____="English" /> _____ <br>
  <input _____="module[]" _____="IQ" /> _____ <br>
</div>
<br>
<div>
  Preferred Medium:

  <input _____="language" _____="Sinhala" /> Sinhala
  <input _____="language" _____="Tamil" /> Tamil
  <input _____="language" _____="English" /> English
</div>
<br>
  Select Test Center:

  <_____ name="Center">
    <_____="Colombo" selected>_____ </_____>
    <_____="Mataru">_____ </_____>
    <_____="Jaffna">_____ </_____>
  </_____>
</div>
<br>
  <input type="submit" name="submit" value="submit" >
</form>
</body>
</html>
```

Bandaranayake College- Gampaha
Information and Technology – Competency 10
(Past papers 2011 - 2020)
No - 09

- (d) The process.php script is invoked after submitting the above form in part (c). After submitting the form, it is required to display the name, medium and test center. Complete the following PHP code segment (process.php) to fulfil this requirement.

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = $_.....["....."];
    $medium = $_.....["....."];
    $center = $_.....["....."];
}

echo "<h2> Your Input:</h2>";
echo $.....; echo "<br>";
echo $.....; echo "<br>";
echo $.....; echo "<br>";
?>
```