



UNIVERSITY OF COLOMBO, SRI LANKA

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY (EXTERNAL)
Academic Year 2020 – 2nd Year Examination – Semester 3

IT3505 – Web Application Development II
Part 1 - Multiple Choice Question Paper

(ONE HOUR)

Important Instructions :

- The duration of the paper is **1 (one) hour**.
- The medium of instruction and questions is English.
- The paper has **20 questions** and **6 pages**.
- All questions are of the **MCQ** (Multiple Choice Questions) type.
- All questions should be answered.
- Each question will have 5 (five) choices with **one or more** correct answers.
- All questions will carry **equal** marks.
- There will be a penalty for incorrect responses to discourage guessing.
- The mark given for a question will vary from 0 (*All the incorrect choices are marked & no correct choices are marked*) to +1 (*All the correct choices are marked & no incorrect choices are marked*).
- Answers should be marked on the special answer sheet provided.
- Note that questions appear on both sides of the paper.
If a page is not printed, please inform the supervisor immediately.
- Mark the correct choices on the question paper first and then transfer them to the given answer sheet which will be machine marked. **Please completely read and follow the instructions given on the other side of the answer sheet before you shade your correct choices.**
- Calculators are **not** allowed.
- *All Rights Reserved.*

1) Select the correct HTML script(s) which will give the list output given below.

1. Amal
2. Nimal
3. Sunil

- | |
|--|
| (a) <dl>1>Amal2> Nimal 3> Sunil </dl> |
| (b) <tr><td> Amal </td><td> Nimal </td><td> Sunil </td></tr> |
| (c) Amal Nimal Sunil |
| (d) Amal Nimal Sunil |
| (e) <nl> Amal Nimal Sunil </nl> |

2) What is/are the correct HTML script(s) for inserting an image with height and width of 42 pixels?

- | |
|---|
| (a) |
| (b) |
| (c) img.gif |
| (d) <image href="img.gif height="42" width="42"> |
| (e) <image src="img.gif" height="42" width="42"> <image/> |

3) Which of the following tags can be used to make a text bold in HTML?

- | | | |
|-------------|-----------|--------------|
| (a) | (b) <fat> | (c) |
| (d) <black> | (e) <emp> | |

4) Which of the following is/are a single global function(s) defined in the jQuery library?

- | | | |
|-------------|-------------------|--------------|
| (a) \$() | (b) global(| (c) jQuery() |
| (d) query() | (e) setInterval() | |

5) Which of the following is/are (a) heavily overloaded function(s) in jQuery?

- | | | |
|-------------|-------------------|----------|
| (a) \$() | (b) global(| (c) \$() |
| (d) query() | (e) setInterval() | |

6) Which of the following statement(s) is/are true about software frameworks?

- i. The abstract methods defined by the framework classes can be overridden in the application
- ii. The software framework defines the control flow of the application.
- iii. Software frameworks are also known as software libraries.

- | | | |
|--------------------|--------------------|-------------------|
| (a) Only i | (b) Only ii | (c) Only i and ii |
| (d) Only i and iii | (e) i , ii and iii | |

7) Which of the following symbol can be used to comment in JavaScripts?

- | | |
|--------------------------------|--------------------|
| (a) \\
(c) **\
(e) /**/ | (b) //
(d) **/ |
|--------------------------------|--------------------|

8) Which of the following Java Script can be used to retrieve the set of all div elements in a document?

- | |
|---|
| (a) var divs = \$(div);
(b) var divs = \$("div");
(c) var divs = #("div");
(d) var divs = jQuery("div");
(e) var divs = jQuery£("div"); |
|---|

9) Which of the following statement(s) is/are true regarding JavaScript?

- | |
|---|
| (a) JavaScript is a loosely typed language
(b) JavaScript variables are case sensitive.
(c) JavaScript can contain multi-line comments.
(d) JavaScript is a server-side scripting language.
(e) JavaScript is a client-side scripting language. |
|---|

10) What is the output of the following JavaScript?

<pre><script language="JavaScript" type="text/JavaScript"> <!-- top: for (x=8; x>6; x--) { for (y=2; y<5; y++) { for (z=3 ;z<8;z++) { document.write(y); document.write(z); if (z==5) break top; } } } --> </script></pre>

- | | | |
|------------|------------|------------|
| (a) 123123 | (b) 232425 | (c) 323335 |
| (d) 827364 | (e) Error | |

11) What is/are the output(s) of the following JavaScript?

```
<script language="JavaScript" type="text/JavaScript">
<!--
    var x=55+"6";
    document.write(x);
-->
</script>
```

- | | | |
|----------|---------|--------|
| (a) x | (b) 5 | (c) 61 |
| (d) 55+6 | (e) 556 | |

12) Which of the following statement(s) is/are true about the embedding PHP scripts inside an HTML document.

- | |
|--|
| <p>(a) PHP scripts must always be written inside <?php and ?> tags.</p> <p>(b) PHP scripts can be imported from an external file using the include statement.</p> <p>(c) PHP scripts can be included only in the header section of an HTML document.</p> <p>(d) Some PHP scripts will be executed properly even without the closing PHP tag (?>)</p> <p>(e) PHP scripts must always be included in the body section of an HTML document</p> |
|--|

Answer questions 13 to 16 by considering the following PHP script.

```
<html>
<body>
<?php
    $a=40;
    while ($a<=45)
    {
        for ($b=3; $b<=6; $b++)
        {
            $c=$a%$b;
            if ($c==5)
            {
                $d=$a*$b;
            }
        }

        $a++;
    }
    echo $a." ".$b." ".$c." ".$d;
?>
</body>
</html>
```

13) What is the value of \$a?

- | | | |
|--------|---------|--------|
| (a) 3 | (b) 7 | (c) 24 |
| (d) 46 | (e) 246 | |

14) What is the value of \$b?

- | | | |
|--------|---------|-------|
| (a) 3 | (b) 7 | (c) 3 |
| (d) 46 | (e) 246 | |

15) What is the value of \$c?

- | | | |
|--------|---------|-------|
| (a) 3 | (b) 7 | (c) 3 |
| (d) 46 | (e) 246 | |

16) What is the value of \$d?

- | | | |
|--------|---------|-------|
| (a) 3 | (b) 7 | (c) 3 |
| (d) 46 | (e) 246 | |

17) Which of the following PHP function definitions is/are syntactically correct?

a. <pre>function fn(){ echo "hello"; }</pre>	b. <pre>function fn(){ echo \$xyz; }</pre>
c. <pre>function fn(\$xyz){echo \$xyz;}</pre>	d. <pre>function fn(\$xyz,abc){ echo \$xy; }</pre>
e. <pre>void function fn(\$xyz,\$_xyz){ echo \$xyz,\$_xyz; }</pre>	

18) Which of the following is/are correct ways of creating an array in PHP?

- | |
|--|
| (a) country[0] = "Sri Lanka";
(b) \$country [] = array("Sri Lanka ");
(c) \$country [0] = " Sri Lanka ";
(d) \$country = array("Sri Lanka");
(e) Array \$country= "Sri Lanka"; |
|--|

19) What is the output of the following PHP code?

```
<?php
    $countries = array("Sri Lanka" => array
        ("population" => "21,05,000", "capital" =>
"Colombo"),
        "India" => array("population" => "13,53,000,000",
        "capital" => "Mumbai"));

    echo $countries["Sri Lanka"]["population"];
?>
```

- | | | |
|--------------------------|--------------------------|---------------|
| (a) Sri Lanka 21,05,000 | (b) 21,05,000 | (c) Sri Lanka |
| (d) Sri Lanka population | (e) population 21,05,000 | |

20) Which type of function call is/are used in the following PHP script?

```
<?php
    function calcPrice($price, $tax)
    {
        $total = $price + $tax;
    }

    $pricetag = 15;
    $taxtag = 3;

    calcPrice($pricetag, $taxtag);

    echo $pricetag;
?>
```

- | | | |
|---------------------------|----------------------------|-----------------------|
| (a) Type Hinting | (b) Call By Value | (c) Call By Reference |
| (d) Call By Default Value | (e) Default Argument Value | |
