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NVQ Level 05 –Semester II

Information & Communication Technology

Web Programming – Theory

K72T001M07

Three Hours

Answer all questions.

Question 01

1. Write down HTML codes for following statements (20 Marks)
 - a. To make hyperlink to page called “about.htm”
 - b. To insert image to website with alternate text and same weigh & height of 50
 - c. To create a drop down list for “NVQ L2, NVQ L3, NVQ L4 and NVQ L5”
 - d. To create ordered list for “HTML,HTTP,HTTPS,FTP,FTPS”
 - e. To create form with two input filed called “User ID” & “Password”

Question 02

“TOP Electronic Pvt Ltd” company is the one of the famous electronic item selling company in Sri Lanka. Now they are going to sell their electronic items through online. But they are new for online marketing and still they don’t have good website which support to online marketing. Owner of the company wants to develop new website but he has several questions, as a web development expert you can help him by giving answers to following questions.

1. To full fill their business requirement, what kind of website (statistic and dynamic) they should developed? Give reasons for your answer. (10 Marks)
2. Which is the best scripting language and database software? That can use for new website. Give reasons for your answer. (05 Marks)
3. How to host the website? (05 Marks)

Question 03

1. List five (5) advantages of using CSS in your website (05 Marks)
2. What are the 3 ways of creating CSS and the placement where you write the code respectively? Give example (09 Marks)
3. Create a CSS file for a table with following attributes. (06 Marks)
 - a. Heading should be bold, size – 16pt, background colour – #0000A0
 - b. Rows in odd numbers should be size – 12pt, background colour – #BDEDFF
 - c. Even rows should be size – 12pt, background colour – #FFFFFF

Question 04

1. What is the role of the web server and give two(02) example for webservers (05 Marks)
2. What is the role of the DNS server? (05 Marks)
3. Describe briefly (10 Marks)
 - a. HTML
 - b. HTTP
 - c. HTTPS
 - d. XSLT
 - e. FTP

Question 05

1. Explain the difference between XML and HTML (05 Marks)
2. Answer the following questions using given XML code. (15 Marks)

```
<?xml version="1.0" encoding="UTF-8"?>  
<Laptop processor = "i7" generation ="8th Gen">  
    <brand>HP</brand>  
    <model>Pro Book 450</model>  
    <speed>3.5 GHz</speed>  
    <screen>15.6 inches</screen>  
    <hraddisk>1 Tb</hraddisk>  
    <ram>8 Gb</ram>  
    <price>Rs.120,000.00</price>  
</Laptop>
```

- I. What is a XML element? Give 3 example of XML element using above xml file?
- II. Name the root element of this xml file?
- III. What is a XML attributes? Give 2 example of XML attributes using above file?

