



Higher National Diploma in Information Technology

First Year, First Semester Examination – 2014

IT11062- Web Development

Instructions for Candidates:

Answer any four (4) questions including question one (1)

No. of questions : 05

No. of pages : 05

Time : Two (2) hours

1.

- a. Fill in the blanks using the terms given in the brackets.
- i. The concept that can send messages in pieces and assemble them at their destination is called _____.
- ii. In 1974, Scientists at ARPA created a common language that allows different networks to communicate. It is called _____.
- iii. _____ is a website coming under Web 2.0.
- iv. _____ is an example for a URL.
- v. .com is an example for a _____.
- vi. In the Internet, the principles of name spaces are governed by _____.
- vii. _____ is a specialized service that lets you use one computer to access the contents of another computer.
- viii. Sri Lanka Telecom is one of the _____ in Sri Lanka.
- ix. In connecting to the Internet _____ connection is more appropriate for a student following an online course.
- x. Providing data security is more critical in _____ communication channels.

(Encryption, FTP, TCT/IP, wiki, abc123@gmail.com, www.google.lk, sub-domain, domain, W3S, Telnet, wired, wireless, Dial-up, ADSL, Leased line, Facebook, Internet Service Providers, Internet Relay Chat, , ICANN, Packet switching)

[2 x 10 = 20 Marks]

- b. A set of communication channels is given below. Categorize them into two (2) groups as wired and wireless.

(Wi-Fi, Wi-Max, Coaxial, Twisted-pair, Satellite, Fiber-optic, Radio wave, Cellular)

Wired	Wireless

[05 Marks]

- 2.
- a. What is Web syndication? [02 Marks]
- b. Today, social networks have become more popular among the web users.
- i. List three (3) examples for social networking sites. [03 Marks]
- ii. Mention two (2) distinct risks that you would face due to social networks. [04 Marks]
- iii. Propose a method to protect yourself from the risks you mentioned above. [02 Marks]
- c. Briefly explain three (3) differences between Web 1.0 and Web 2.0. [06 Marks]
- d. “E-Commerce benefits both customers and companies.” List two (2) benefits a company can obtain through e-commerce. [04 Marks]
- e. Identify two (2) barriers, a company would face when moving to e-commerce from traditional business process. [04 Marks]

- 3.
- a.
- i. Explain the term “malicious software”. [02 Marks]
 - ii. State three (03) examples for malicious software. [03 Marks]
- b. A while back, the IT people got a number of complaints that one of our ATI computers was sending out Spam. They checked it out, and the reports were true: a hacker had installed a program on the computer that made it automatically send out tons of spam email without the computer owner's knowledge.
- How do you think the hacker got into the computer to set this up? [06 Marks]
- c. State role of firewall on the Internet. [03 Marks]
- d. “Data protecting is essential when one uses internet”. Do you agree or disagree? Explain your view. [06 Marks]
- e. Give suggestions to protect your computer for secure access of data via Internet. [05 Marks]

- 4.
- a.
- i. What is web server? Write two (2) examples. [04 Marks]
 - ii. Compare and contrast static and dynamic web sites with examples. [04 Marks]
- b. Write the purposes of following HTML tags
- i. <DIV>
 - ii. <Marquee>
 - iii.
 - iv. [04 Marks]

c. Write HTML Code to generate the Web page in the format given below.

Use the followings, when writing the HTML Code:

- i. Picture used in the page is “contact.jpg”
- ii. ‘Student Result Details’ link page is “result.html”

<i>Student contact Information</i>			
Student Name		Address	Telephone
1st name	Last Name		E- Mail
kamal	perera	Katugasthota	0772345123
nimal	priyadarshani	Polgasowita	0712687189
tharichu	sadamal	Monaragala	0722345638



Student Result Details

[13 Marks]

5.

a. What is the purpose of using forms? [03 Marks]

b. List four (4) input elements that can be included in a form. [04 Marks]

c. Draw the output of the following code segments.

i.

```
<select name="ati">
<option value="Kandy">Kandy</option>
<option value="Jaffna">Jaffna</option>
<option value="Dehiwala" selected>Dehiwala</option>
<option value="Ampara">Ampara</option>
</select>
```

[03 Marks]

ii. <p> Highest Educational Qualification :</p>
<input type="radio" name="qualification" value="OL">O/L
<input type="radio" name="qualification" value="AL">A/L
<input type="radio" name="qualification" value="degree">First Degree
<input type="radio" name="qualification" value="postgraduate">Postgraduate
 [03 Marks]

d. Write HTML code to produce the following output.

[12 Marks]

Online Membership Form

Name:

E-mail:

Password for your user account:

I have Facebook account
 I have a Skype

Comment: