



# SLIATE

**SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION**

(Established in the Ministry of Higher Education, vide in Act No. 29 of 1995)

## **Higher National Diploma in Information Technology**

**First Year, First Semester Examination – 2014**

**IT11062- Web Development**

**Instructions for Candidates:**

No. of questions : 05

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

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. <Strong>

iv. <UL>

[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"

### ***Student contact Information***

Student Name		Address	Telephone	E- Mail
1 <sup>st</sup> name	Last Name			
kamal	perera	Katugasthota	0772345123	kamal@ymail.com
nimali	priyadarshani	Polgasowita	0712687189	nima_priya@gmail.com
tharidu	sadamal	Monaragala	0722345638	thari43@ymail.com



**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><br>`  
`<input type="radio" name="qualification" value="OL">O/L<br>`  
`<input type="radio" name=" qualification" value="AL">A/L<br>`  
`<input type="radio" name=" qualification" value="degree">First`  
`Degree<br>`  
`<input type="radio" name=" qualification" value="postgraduate">`  
`Postgraduate <br>` [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:  

Send Reset