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SLIATE

SRI LANKA INSTITUTE OF ADVANCED TECHNOLOGICAL EDUCATION

(Established In the Ministry of Higher Education, vide In Act No. 29 of 1985)

Higher National Diploma in Information Technology

First Year, First Semester Examination - 2012

1007: Internet Application

Instruction for Candidates:

Answer Five only (05) questions.

Time : Three Hours

No. of Pages : 03
No of Questions : 08

01.

- (i) What is ARPANET and why it was developed?
- (ii) Give the names of any four Browsers?
- (iii) Give the name of the first search engine?
- (iv) What are the difference between Browser and Search engine?
- (V) What is ISP and give the name of an ISP in our country? (4 x 5=20 Marks)

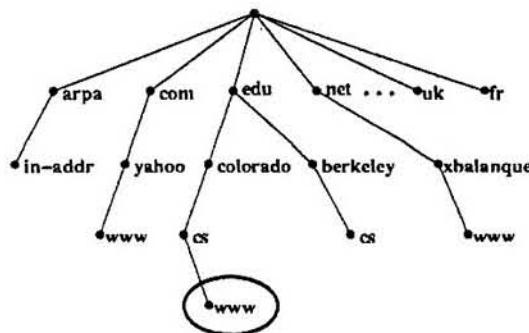
02.

- (i) Give any four internet connection types and explain them? (8 Marks)
- (ii) What are the difference between Baseband and Broadband? (2 Marks)
- (iii) Define the term 'Protocol' and why it is essential for communication? (4 Marks)
- (iv) Network media can be categorized as Guided and Unguided. Give two examples for Guided media and Unguided media and explain the advantages and disadvantages for each media. (6 Marks)

03.

- (i) Describe Domain Name System and why it is necessary?
- (ii) What is URL, give an example for URL and indicate each components of your URL?
- (iii) Write short note for ICANN?

(iv) Give the domain name of the server indicated by a circle in the diagram below?



(v) What is CC and BCC in email.

(4 x 5=20 Marks)

04.

(i) Define the terms

- a. website
- b. home page
- c. web page
- d. Hypertext
- e. hypermedia

(2 x 5=10 Marks)

(ii) Compare and contrast web 1.0 and web 2.0

(5 Marks)

(iii) What are the difference between server side scripting languages and client side scripting languages and provide two examples for both categories.

(5 Marks)

05.

(i) Select two social networks (out of four given below) that you are interested and explain its facilities?

- a. YouTube
- b. Twitter
- c. Facebook
- d. Wikipedia

(Select only two applications)

(2 x 5=10 Marks)

(ii) Explain the term "web syndication"?

(4 Marks)

(iii) What are the necessary features of a good ecommerce website?

(6 Marks)

06.

What is firewall?

(4 Marks)

(i) List out your suggestions to protect your computer from unauthorised access via internet.

(4 Marks)

(ii) List out any three tools in internet security suite and explain the usage of them.

(3 x 3=9 Marks)

(iii) Why we need to update our antivirus programme regularly?

(3 Marks)

07.

What is mean by Parental Control and Explain the importance of Parental Controls on the Internet? (4 Marks)

(i) List out two techniques used to securely send data over the internet and explain them. (6 Marks)

(ii) Define the term SET (Secure Electronic Transaction). (5 Marks)

(iii) List out the features in Windows operating system to enforce internet security. (5 Marks)

08.

Write short notes for the topics given below:

(i) The Internet Engineering Task Force (IETF)

(ii) Secure Sockets Layer (SSL)

(iii) impact of internet on business

(iv) impact of internet on education

(4 x 5=20 Marks)