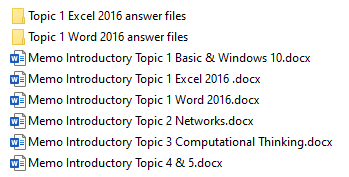
**MEMO: TOPIC 4**

**INTERNET AND COMMUNICATION SKILLS**



**To the lecturer:**

Actually, students do not need much motivation to do the Internet and WWW. They usually know how to browse the Internet; they do it on their cellphones/smartphones to search what they want to know. Ask them a few questions to convince them that they do not know all about this topic, for example:

• What is a web browser?

• Identify different web browsers.

• What is a URL, HTTP, HTML, IM?

• Name different search engines.

• What is CAPTCHA?

Help students who do not know how to connect to and use the Internet.

Exploring the Internet, the student can capture and use screenshots, using printscreen and the Snipping Tool, to show that he did what was asked in the question. Open a new Word document, number his answers and paste the images into this document.

**Activity 4.1**

**Go to a web page**

**Answers are pasted in a word document: Internet Samples.docx.**

2. http://www.mweb.co.za

3. Mweb logo

4. The student should show that he visited the web address:

http://www.mweb.co.za/hub/learning/default.asp

Copied any two lines from this web address.

5. Print the document.

**Activity 4.2: Using the Internet and the World Wide Web**

**Internet Activity2.docx**

**TOPIC 4: INTERNET AND COMMUNICATION SKILLS**

**Instructions**:

1. Answer the multiple-choice questions: Type an a, b, c or d in the space provided.

2. Change the font colour to **red** when you enter the letter or text to complete the answers.

3. Save the answer file as **Internet Activity2 Answers.docx**

**Multiple choice**

1. The following are Browser buttons:

a. Free Hotmail and Windows Media.

b. Print.

c. Forward, Stop and Refresh.

d. Messenger.

Answer: c

2. Which of the following can take you back to the home page?

a. Esc

b. Home icon

c. Alt+Home

d. b and c

Answer: b

3. The Internet and the WWW are the same thing. True or False?

Answer: False

4. When you click a hyperlink,

a. a pop-up box appears with a description of the hyperlink.

b. the name of the hyperlinked file appears.

c. another location on the Internet is accessed.

d. you are automatically logged off the Internet.

Answer: c

5. When the mouse pointer moves over a hyperlink,

a. the link changes colour.

b. the link blinks.

c. the pointer changes to a hand with a pointing finger.

d. the pointer changes colour.

Answer: c

6. Hyperlinks usually connect to other web pages, but they can also lead to

a. graphic file images

b. sound clips

c. Video files

d. All of the above

Answer: d

7. The term "home page" means

a. the main page for a particular web site.

b. the first page that opens when you start your browser.

c. the web page that a particular browser loads the first time your run it.

d. All of the above

Answer: b

8. When a web page takes a long time to load you can click the ------ button to halt the web page transfer from the server.

a. Refresh

b. Hotmail

c. Stop

d. Pause

Answer: c

**Activity 4.3**

**Internet Activity3.docx**

**TOPIC 4: INTERNET AND COMMUNICATION SKILLS**

**Activity 4.3: Introduction to the Internet**

**Internet Activity3.docx**

**Instructions**:

1. Answer the multiple-choice questions: Type an a, b, c or d in the space provided, or as indicated.

2. Change the font colour to **red** when you enter the letter or text to complete the answers.

3. Save the answer file as **Internet Activity3 Answers.docx**

**Multiple choice**

1. Which of the following is used for exchanging information over the Internet?

a DOS

b. C

c. HTTP

d. Word

Answer: c

2. Match these abbreviations to their functions:

|  |  |  |
| --- | --- | --- |
| **FTP** | An Internet Address | A |
| **ISP** | Links computer across the telephone network | B |
| **ADSL** | Commercial provider of Internet access | C |
| **URL** | Allow file transfer between computers | D |

Answers:

|  |  |
| --- | --- |
| **FTP** | D |
| **ISP** | C |
| **ADSL** | B |
| **URL** | A |

3. Does a computer always need a modem/router to access the Internet?

✓🞏 Yes

🞏 No

4. Match these icons on the Internet Explorer's (Browser's) toolbars to their functions:

 Loads a new copy of the current page. A

  Opens MS Outlook. B

 Cancels the current search. C

****  Brings you to the Browser's start page. D

 Allows you to search the Internet. E

 Returns you sequentially through the pages

you are browsing. F

  Lists sites whose addresses you have stored. G

**Answers: Enter the letter, for example D**

 C

  A

 D

****  E

 G

 B

  F

5. What is a URL and give two examples?

**Answers:**

A URL is the address of an Internet file (web page).

http//www.msn.co.za

http//www/online.**computicket**.com

6. Web documents are created in

a. HyperText Transfer Protocol (HTTP)

b. HyperText Markup Language (HTML)

c. Transmission Control Protocol (TCP)

d. Internet Protocol (IP)

**Answer: b**

7. Which of the following statements about the Internet is true?

a. The Internet is less than 10 years old

b. The Internet is maintained and administered by the federal government

c. The Internet is about connecting computers; the WWW is about connecting people.

d. All of the above

**Answer: c**

8. 

What is this called? Give a short definition.

**Answer: URL**

**A URL is the address of an Internet file (web page).**

9. A …(1)…. is a program that searches documents on the WWW for specified keywords and returns a list of the documents found. search engine

….(2)…. is an application we use to view web pages. . web browser

….(3)…. is software that generates and grades tests that humans can pass but all but the most sophisticated computer programs cannot . CAPTCHA.

….(4)… is used for short-form mobile videos. It is used to capture and present precious life moments, directly from the mobile phone. . TikTok

By following ….(5)…. you can go from page to page on the Web. . links

10. A virus can be transmitted when you:

a. Download files from the Internet

b. Download files without a virus protection program installed.

c. Both a. and b.

d. Neither a. or b.

**Answer: c**

11. A Web browser is a

a. user who browses the web without actively participating.

b. user who browses the web and actively participating.

c. program that access web sites on the Internet.

d. search engine on a Gopher site.

**Answer: c**

12. A URL is a unique web address. In this URL, what does the parts stands for?

http:/www./google.com

**➀**

**➁**

**➂**

**➃**

**Answer: ➀ http stands for Hypertext Transfer Protocal and is the method by which files are transferred over the Web**

**➁ www is short for World Wide Weg, the part of the Internet where the site is situated**

**➃ .com shows that it is an address of a commercial organisation**

**Activity 4.4**

Practical exercise. The student can do on his own to practise. Screenshots are done and inserted into a Word document.

**TO THE LECTURER**

Motivate students to do a search on the Internet on any definition or topic they do not know, for example: what is HTTP, FTP? What is the URL for Cape Town University?

**Activity 4.5**

Answer file saved as **Internet Skills.docx**; answers in red.

**Topic 4: Internet and Communication**

**Internet & WWW Quiz 01**

**Instructions**:

1. Answer the multiple-choice questions: Do the following as indicated “*Click or tap here to enter text*” in the space provided.

2. Change the font colour to **red** when you enter the letter or text to complete the answers.

3. Save the answer file as **Internet Skills**

1. The first network was

(a) ARPANET

(b) Internet

(c) NSFnet

(d) NET

Answer: (a)

2. To join the Internet, the computer has to be connected to a

(a) Internet architecture board

(b) Internet society

(c) Internet service provider

(d) None of the above

Answer: (c)

3. Web documents are created in

a. HyperText Transfer Protocol (HTTP)

b. HyperText Markup Language (HTML)

c. Transmission Control Protocol (TCP)

d. Internet Protocol (IP)

Answer: b.

4. Which of the following statements about the Internet is true?

a. The Internet is less than 10 years old

b. The Internet is maintained and administered by the federal government

c. The Internet is accessed by millions of people, the exact number of which is impossible to determine

d. All of the above

Answer: c.

5. When the mouse pointer moves over a hyperlink,

a. the link changes colour.

b. the link blinks.

c. the pointer changes to a hand with a pointing finger.

d. the pointer changes colour.

Answer: c.

6. Which part of the URL http://www.mweb.co.za identifies the Internet address of the web site (server)?

a. http://

b. www.mweb.co.za

c. index.html

d. none of the above

Answer: b.

7. A web browser is a

a. user who browses the web without actively participating.

b. user who browses the web and actively participating.

c. program that access web sites on the Internet.

d. search engine on a Gopher site.

Answer: c.

**8.** Write down the letter that matches the correct answer: The letters “http” stands for:

a. Hypertype transport protocol

b. Hypertext transfer protocol

c. Hypertext transfer process

d. Hypertype transfer protocol

Answer: b.

9. Which of the following web browsers is installed with Windows 10?

a. Google Chrome

b. Mozilla Firefox

c. Edge and Internet Explorer

d. Safari

Answer: c.

10. To open the Help window in Internet Explorer, press F1 or click Help on the menu bar, and then click Contents and Index.

a. True

b. False

Answer: a.

11. The most common transfer protocol used on the Internet is

a. FTP

b. Gopher

c. HTTP

d. Telnet

Answer: a.

12. An organisation responsible for providing Internet services to a customer is commonly known

as

a. Government

b. ISP

c. TCP/IP

d. HTTP

Answer: b.

13. Combination of multimedia and hyperlink is called

a. hypermedia

b. E-mail

c. hypertext

d. None of these

Answer: a.

14. A collection of Web pages linked together in a random order is

a. a Web site

b. a Web server

c. a search engine

d. a Web browser

Answer: a.

15. The status bar indicates

a. the name of the web page that is loading.

b. the load status of the document that is loading.

c. messages such as “Document: Done.”

d. All of the above

Answer: d.

16. Which keyboard shortcut can be used to select the contents of the Address bar?

a. ESC

b. CTRL+B

c. ALT+Home

d. ALT+D

Answer: d.

17. When you click a hyperlink,

a. a pop-up box appears with a description of the hyperlink.

b. the name of the hyperlink file appears.

c. another location on the Internet is accessed.

d. you are automatically logged off the Internet.

Answer: c.

18. Hyperlinks usually connect to other web pages, but they can also lead to

a. graphic file images

b. sound clips

c. Video files

d. All of the above

Answer: d.

19. The term “home page” sometimes called the front page means

a. the main or initial page of a particular web site

b. the first page that opens when you start your browser

c. the first web page of a web site

d. All of the above

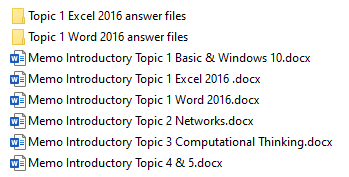
Answer: b.

20. Identify web addresses and e-mail addresses from the following. Enter your answer in the second column

|  |  |
| --- | --- |
| Addresses | Answer |
| 1. http://www.soal.com | Web address |
| 1. Raga100@rediffmail.com | e-mail address |
| 1. www.hotspider.co.in | Web address |
| 1. 235hotspot@elixir.co.za | e-mail address |

**MEMO: TOPIC 5**

**DIGITAL CITIZENSHIP**



**Activity 5.1**

1. Word document **Search Engine.docx** created.

2 & 3. Student can list the three search engines used in his Word document.

4. List the three search engines as headings in bold.

Pasted the first three hits (results) from each searh engine.

5. Results for **organic from Canada** copied and pasted. Various web sites are available.

6. Show the URL for **New Seven wonders of the world**, for example https://www.britannica.com/list/new-seven-wonders-of-the-world

There are many web sites available; the student should search for the best one.

7. Print the Word document.

**Activity 5.2**

Answer file saved as **Digital Response.docx**; answers in red.

**Topic 5: Digital Citizenship 1**

**Instructions**:

Answer your questions by “*Choose an item"* or *"Click or tap here to enter text"* in the space provided.

Change the font colour to **red** when you complete the answers.

Save your Word answer file as **Digital Response**.

1. Which field has been benefitted using the Information and Communication Technology Tools?  
   **a)** Education **b)** Health  
   **c)** Governance **d)** All of these

**Answer:** d)

1. Making illegal copies of copyrighted software is called …………  
   **a)** Software piracy **b)** Browsing  
   **c)** Collaboration **d)** Electronic distribution

**Answer:** a)

3. Lack of enforcement is called a plagiarism. **[True/False]**

**Answer:** False

1. Secrecy means that we can share the personal information of an individual with anyone. **[True/False]**

**Answer:** False

1. Software piracy is the act of illegally copying software. **[True/False]**

**Answer:** True

1. Using work of other people, we should always give credit to them. **[True/False]**

**Answer:** True

1. Describe hacking in your own words.

**Answer:**  Hacking is an attack through social engineering, for example pretending to befriend someone, buth with the main intention to gain unauthorised access to their accounts.

1. Which of the following is not done by cyber criminals?  
   a) Unauthorized account access  
   b) Mass attack using Trojans as botnets  
   c) Email spoofing and spamming  
   d) Report vulnerability in any system

**Answer:** d)

1. Which of the following is not a type of cybercrime?  
   a) Data theft  
   b) Forgery  
   c) Damage to data and systems  
   d) Installing antivirus for protection

**Answer:** d)

1. Type the answers below each other at the left margin of the answer document. Type the number of each question in **Column A** with the capital letter in **Column B** that goes with it. Example:

**Examples**

1. C
2. D

|  |  |
| --- | --- |
| **Column A** | **Column B** |
| 1. E-business | 1. Can be read and interacted with electronic device like computers, e-Book reader, etc. |
| 1. E-banking | 1. The sharing of business information, maintaining business relationships and conducting business transactions by means of ICT |
| 1. E-text | 1. Covers all business activities, processes and applications performed by means of mobile devices such as mobile phone, PDA etc. |
| 1. E-tailing | 1. Defined as the automated delivery of banking services directly to customers through electronic channel. |
| 1. M-business | 1. The selling of retail goods on the internet. |
| 1. Computer Forensics | 1. © |
| 1. digital footprint | 1. Analyses data in way that preserves the integrity of the evidence collected so that it can be used effectively in a legal case. |
| 1. Copyright | 1. It refers to the disposal of broken or obsolete electronic components and materials. |
| 1. Cloud computing | 1. It includes the [websites](https://techterms.com/definition/website) you visit, [emails](https://techterms.com/definition/email) you send, and information you submit to [online](https://techterms.com/definition/online) services. |
| 1. E-waste | 1. The term is generally used to describe data centres available to many users over the Internet. |
| 1. Green computing | 1. Today, the term embodies the entire life cycle of technologies, including research, manufacturing, use, and disposal. |

Answer:

|  |  |
| --- | --- |
| 1. E-business | **E** |
| 1. E-banking | **D** |
| 1. E-text | **A** |
| 1. E-tailing | **C** |
| 1. M-business | **B** |
| 1. Computer Forensics | **G** |
| 1. Digital footprint | **I** |
| 1. Copyright | **F** |
| 1. Cloud computing | **J** |
| 1. E-waste | **K** |
| 1. Green computing | **H** |

11. Which of the following is not a symptom of a virus attack? a) The computer begins to run slowly  
 b) Unusual messages and graphics appear on the screen for inexplicable reasons  
 c) Some programs or data files on the computer either become corrupt or are difficult

to locate  
 d) Your data is copied to another location

**Answer:**  a)

1. The programmers who break into secure systems for malicious purpose are a) crackers   
   b) hackers  
   c) breakers   
   d) burglars

**Answer:**  a)

1. Someone who breaks into someone else’s computer system, often on a network; bypasses passwords or licenses in computer programs without malicious intent with a wish to learn and improve security.a) Hacker   
   b) Cracker  
   c) worm   
   d) malware

**Answer:**  a)

**Activity 5.3**

Answer file saved as **Digital Response2.docx**; answers in red.

**Topic 5: Digital Citizenship 2**

**Instructions**:

Answer your questions by “*Choose an item"* or *"Click or tap here to enter text"* in the space provided.

Change the font colour to **red** when you complete the answers.

Save your Word answer file as **Digital Response2.**

1. “Virtual schools are better than traditional schools.” What is a virtual school? Write two advantages and disadvantages that you personally see in virtual schooling.

**Answer:**  What is? An online school teaches students entirely or primarily online or through the Internet.

**Answer**: Advantages **Flexible:**  virtual learning can usually take place at a time that is convenient for the student. There is no longer any need to be in a classroom at a specific time on a specific day.

**Answer**: Disadvantage **Isolation:**  there are no other students with whom to discuss the course; so the type of classroom discussions that can lead to understanding of the subject do not happen.

2. Explain what the term green computing means

**Answer**: Computers and other electronic devices can be used in a manner that is friendly to the environment, for example recycle the components of a computer or other electronic device.

3. Give a short definition of e-waste

**Answer:** Electronic waste is the term used to describe old computers and electronic devices which have been disposed of by their original users when they are discarded.

4 Name two negatives of ICT on people’s health.

**Answer:** By looking at a monitor which is a constant distance away can cause eye-strain (tiredness of the eyes).

In particular, typing and using a mouse for long periods are common causes of RSI in the wrist (it is often called carpal-tunnel syndrome

5. Name three examples of how the environment impacts our health.

Answer: **Lighting** is a health factor in computer use. Be aware that use of artificial light, amount of light, direction of light are all important considerations.

Positioning of the computer, desk and seat is important. Back problems associated with poor seating or bad posture can occur.

Prevent discomfort caused by heat. Ventilate rooms but avoid creating draughts

**Activity 5.4**

Group activities