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Revision for Grade 9 in Unit #1&2 Design & Technology Subject

Your Name: Grade 9 -

SECTION 1 – Matching :Match the terms with its explanations. Write the matching letter in the correct box. The first one has been done for you. (1 mark each)

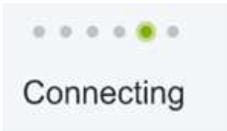
	Term	Explanation	
1. IP address		The website address for example www.google.ae	A
2. Internet of Things (IoT)		A central powerful computer that can have files or other media on it for others to access	B
3. URL / Domain Name		Writing notes around something.	C
4. DNS		Like an address book of websites	D
5. HTML		A unique set of numbers that identifies each computer on the internet for example 94.207.143.228.	E
6. Annotated		Stands for Hyper Text Mark-up Language. Standard for making webpages.	F
8. Server		The connection via the internet of computing devices inside everyday objects, enabling them to send and receive data.	G
9. Internet		is a world-wide system of computer networks and computers	H
10. Hyperlink		an automated process a computer does to create or display something.	I
11. Rendering		a link to another website, location or file, usually used by clicking on a highlighted word or image on the screen.	J

Revision for Grade 8 in Unit #1&2 Design & Technology Subject

SECTION 2 – Fill in the Blanks

Fill in the blanks with answers from the answer bank. One of them has been done for you. (1 mark for each blank)

User types the website into the browser. – The server responds and sends the web page –The user opens an internet browser –The browser reads the HTML code to display the page – DNS Server finds the IP address of the website typed – The browser connects to the server.

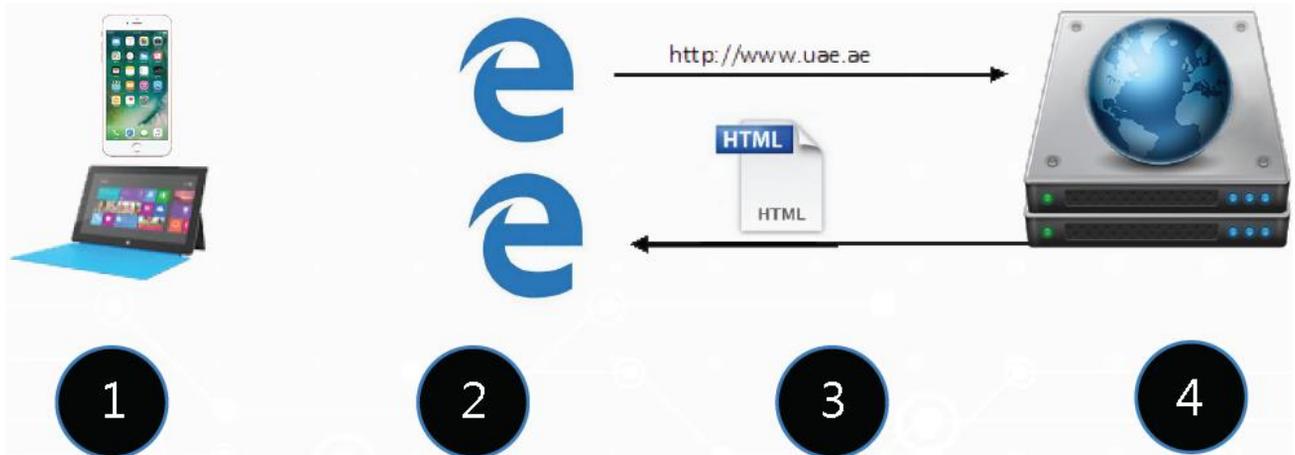
Picture	Process
1. 	
2. 	
3. 	
4. 	
5. 	
6. 	

Revision for Grade 9 in Unit #1&2 Design & Technology Subject

SECTION 2 – Fill in the Blanks

Fill in the blanks with answers from the answer bank. One of them has been done for you. (1 mark for each blank)

Computer looks up the IP address for the server from a DNS server/we need devices such as tablet, smartphone, laptop or computer/The web browser then reads the HTML document, sent by the server, and makes it ready to be viewed by the user/The user types a website into the web browser, for example <http://moe.uae.ae/>/To access the World Wide Web (WWW) and view web pages, a web browser is needed/The web browser finds the server and requests the web page saved on it/The requested HTML document (web page) is sent from the server to the web browser/ /The web server responds to the browser's request and makes a connection.



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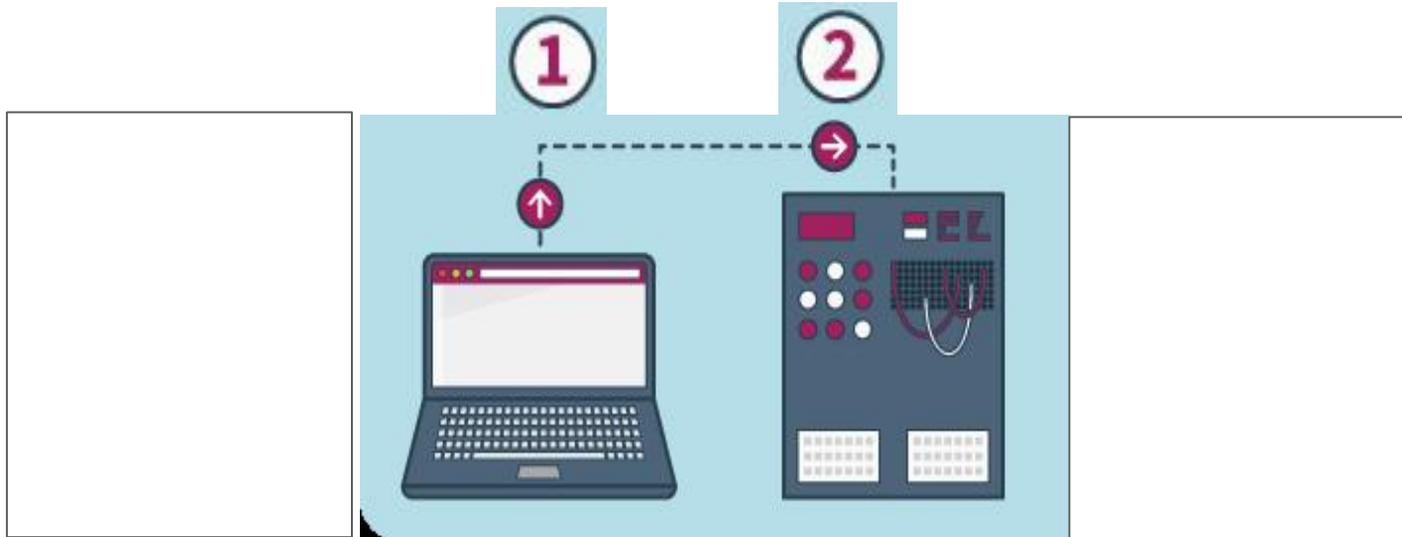
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Revision for Grade 9 in Unit #1&2 Design & Technology Subject

SECTION 2 – Fill in the Blanks

Fill in the blanks with answers from the answer bank. One of them has been done for you. (1 mark for each blank)

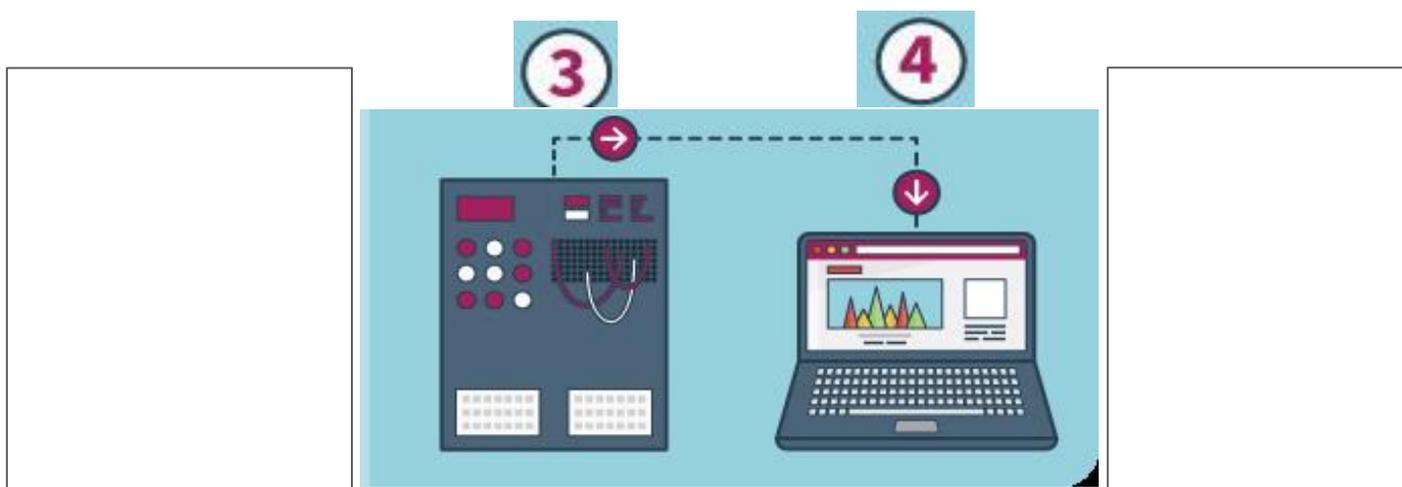


Your browser shows that content to you

The web server receives the request

Your computer's browser sends a request to the website's server

The web server responds to the request



Revision for Grade 9 in Unit #1&2 Design & Technology Subject

SECTION 3 – Multiple Choice

Choose and circle the correct answer – A, B, C or D. (1 mark each)

1. ISP standard for:

- A) Internet Style Provider
- B) Internet Support Provider
- C) Internet Service Provider
- D) None of the above

2. Which of the following is an example of URL /Domain Name

- A) 151.253.49.178
- B) <title> Ministry of Education Website </title>
- C) http://example.com/example1/index.htm

3. CSS (Cascading Style Sheet) is used to:

- A) request the HTML from a server
- B) format HTML documents
- C) access an HTML document

4. What is an IP address?

- A) An organization that standardizes web languages.
- B) A set of numbers that can identify each computer.
- C) An address book for web sites on the internet.

5. Example for Web browser are:

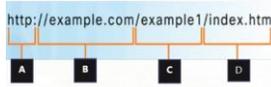
- A) Firefox & Safari
- B) Du & Etisalat
- C) Google & Yahoo
- D) A & C

6. HTML Stand for:

- A) Hyper Text Makeup Language
- B) Hyper Text Markup Language
- C) Hyper Text Mark Language

7. From the following picture part D in URL represent for:

- A) The domain name
- B) The folder on the web server
- C) The protocol
- D) The actual resource



8. From the following picture part C in URL represent for:

- A) The domain name
- B) The folder on the web server
- C) The protocol
- D) The actual resource

9. From the following picture part B in URL represent for:

- A) The domain name
- The folder on the web server
- The protocol
- The actual resource

10. From the following picture part A in URL represent for:

- The domain name
- The folder on the web server
- The protocol
- The actual resource

11. The Internet has changed:

- A) Travel industry only
- B) Music industry only
- C) All above .

12. Safari is an example of :

- A) Web browser
- B) Website
- C) Search Engine

13. The W3C members are :

- A) Apple , IBM and Adobe
- B) Firefox, Safari and Chrome
- C) JS, CSS and HTML

Revision for Grade 9 in Unit #1&2 Design & Technology Subject

SECTION 3 – Multiple Choice

Choose and circle the correct answer – A, B, C or D. (1 mark each)

14. What is a DNS (Domain Name Server)?

- A) It acts like an address book for websites.
- B) It is a computer language.
- C) It provides access to the internet.

15. What is the W3C (World Wide Web Consortium)?

- A) It is an internet browser to access web sites.
- B) It is an organization that standardizes web languages.
- C) It is a unique set of numbers that can identify computers.

16. 5. Examples of ISP are:

- A) Firefox & Safari
- B) Du & Etisalat
- C) Google & Yahoo
- D) A & C

17. The request information process begins when you ask your computer to resolve a hostname such as:

- A) www.moe.gov.ae
- B) 192.168.1.2
- C) <title> first page</title>
- D) A & C

18. The first place your computer looks for web address is :

- A) DNS cache
- B) DNS Server
- C) DNS query
- D) A & C

19. If your computer doesn't already know web address, it needs to perform a:

- A) DNS cache
- B) DNS Server
- C) DNS query
- D) A & C

20. TLD stand for :

- A) Top-Level Destination
- B) Top-Level Domain (TLD)
- C) Top-Level Distance
- D) A & C

21. act as a kind of telephone switchboard for DNS:

- A) root nameservers
- B) TLD nameservers
- C) authoritative DNS servers
- D) A & C

Revision for Grade 9 in Unit #1&2 Design & Technology Subject

SECTION 4 – True or False

Choose and circle the correct answer TRUE or FALSE. (1 mark each)

- | | | |
|---|------|-------|
| 1. HTML5 is the most recent version of HTML. | TRUE | FALSE |
| 2. A markup language uses tags to give instructions on how content should be set out. | TRUE | FALSE |
| 3. CSS stands for Cascading Style Sheets and is used for standardize web languages. | TRUE | FALSE |
| 4. A web browser requests the HTML from a server, understands it and renders it on the screen for the user. | TRUE | FALSE |
| 5. W3C is an organization that looks after the standards for HTML, CSS and JavaScript. | TRUE | FALSE |
| 6. JavaScript is a popular programming language that can be used to make HTML pages interactive and animated. | TRUE | FALSE |
| 7. W3C is used for format HTML documents. | TRUE | FALSE |
| 8. IP address like a phone number. | TRUE | FALSE |
| 9. A hyperlink will take you to a new page when you click on it. | TRUE | FALSE |
| 10. There are millions of servers connected to the Internet, providing services such as web sites, email, financial transactions, music downloads, etc. | TRUE | FALSE |
| 11. A domain name server is like an address book, it knows the IP address of the Server for every website. | TRUE | FALSE |
| 12. Hyperlinks can be used to link a lot of pages together to create a full website. | TRUE | FALSE |
| 13. A home computer is given an IP address when it connects to the internet. | TRUE | FALSE |

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SECTION 5 – Short Answers (3 marks each)

1. What is CSS? Why was it introduced?

2. What is the purpose of JavaScript?

3. How does DNS work?

4. Name some partners of the W3C organization.

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SECTION 5 – Short Answers (3 marks each)

1. What are the steps that computer follows to turn the human-readable web address into a machine-readable IP address?
