

**Student Name (ARABIC):**

**Student ID :**

**Instructor Name :**

**CRN :**

This exam duration is TWO HOURS.

This is NOT an open book exam

The use of calculators and mobile phones is NOT permitted.

Please answer all questions.

The number of pages is 7 PAGES including this page.

**Marking Scheme:**

Question	Score	Signature
1 (30 Marks)		
2 (10 Marks)		
3 (6 Marks)		
4 (4 Marks)		
<b>TOTAL</b>		

**Question.1 (30 Marks): Choose the Correct Answer (One Answer is Correct)**

1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15

**1.01 The Web was introduced in 1991 in Switzerland at the**

- A APIX
- B CERN**
- C Internet
- D Spider

**1.02 What are the two major software types?**

- A System analysis software and data warehousing software
- B Operating system software and utilities software
- C System software and application software**
- D Database management software and application software

**1.03 The least powerful, yet the most widely used and fastest-growing type of computer is the:**

- A Mainframe
- B Minicomputer
- C Supercomputer
- D Microcomputer**

**1.04 The basic components to cloud computing are clients, the Internet, and**

- A JavaScript
- B Service Providers**
- C Social Networks
- D The Web

**1.05 The ability to switch between different applications stored in memory is called:**

- A Programming
- B Operational interference
- C Multitasking**
- D Diversion

**1.06 The number of bits that can travel simultaneously down a bus is known as the:**

- A Bus Width**
- B Byte Width
- C Digital Width
- D State Distance

**1.07 Parents can use this type of program to block access to selected Web sites**

- A Plug-in
- B FTP
- C BitTorrent
- D Filter**

**1.08 Which physical connection is the fastest?**

- A Twisted pair
- B Coaxial cable
- C Fiber-optic cable**
- D Microwaves

**1.09 E-mail that does not require an e-mail program installed on a user's computer is known as:**

- |   |         |
|---|---------|
| A | Blog    |
| B | Podcast |
| C | Webmail |
| D | Utility |

**1.10 In Microsoft Office 2007 and 2010, menus and toolbars have been replaced by**

- |   |                 |
|---|-----------------|
| A | Buttons         |
| B | Galleries       |
| C | Ribbons         |
| D | Contextual tabs |

**1.11 Prewritten formulas provided by the spreadsheet program that perform calculations such as adding a series of cells are called**

- |   |           |
|---|-----------|
| A | Functions |
| B | Entries   |
| C | Grids     |
| D | Values    |

**1.12 The process of observing the effect of changing one or more cells is often referred to as:**

- |   |                         |
|---|-------------------------|
| A | Data Manipulation       |
| B | Graphical Investigation |
| C | Sensitivity Analysis    |
| D | What-if-analysis        |

**1.13 Object-oriented databases organize data by classes, attributes, methods, and:**

- |   |          |
|---|----------|
| A | Relation |
| B | Objects  |
| C | Space    |
| D | Time     |

**1.14 The type of GUI that uses tabs to organize groups of related items**

- |   |             |
|---|-------------|
| A | Character   |
| B | Ribbon      |
| C | Gallery     |
| D | Traditional |

**1.15 Program files that are deposited on a user's hard drive when they visit a Web site are called**

- |   |         |
|---|---------|
| A | Cookies |
| B | Codes   |
| C | Cache   |
| D | Proxies |

**Question.2 (10 Marks): Match each numbered item with letter in this table write your answers in the space provided:**

1	The standard protocol for the Internet is ____.	<b>H</b>	Microwave	<b>A</b>
2	A container that houses most of the electronic components that make up a computer system.	<b>D</b>	Platform	<b>B</b>
3	Records images digitally on a on a disk or its memory	<b>E</b>	Peer-to-Peer	<b>C</b>
4	An operating system is often referred to as the software environment or ____.	<b>B</b>	System Unit	<b>D</b>
5	Prewritten formula.	<b>J</b>	Digital Camera	<b>E</b>
6	In this network, nodes have equal authority and can act as both clients and servers.	<b>C</b>	e-Mail	<b>F</b>
7	Transmission of electronic messages over the Internet	<b>F</b>	Stylus	<b>G</b>
8	The basic components of cloud computing are clients, service providers, and the ____.	<b>I</b>	TCP/IP	<b>H</b>
9	Uses high-frequency radio waves.	<b>A</b>	Internet	<b>I</b>
10	A penlike device commonly used with tablet PCs and PDAs.	<b>G</b>	Function	<b>J</b>

**Question.3 (6 Marks): In the context of your study in this course, answer the following:**

Define the term “Electronic Commerce”, and discuss the types of E-commerce?

**Electronic Commerce : the buying and selling of goods over the internet**

**Types of E- Commerce**

- Business - to - Consumer (B2C)
- Consumer - to - Consumer (C2C)
- Business - to - Business (B2B)

List the network topologies and network strategies

## Network Topologies

### Star Network

- Ring Network
- Bus Network
- Tree Network
- Mesh Network

## Network Strategies

client - server network

Mesh network

What is the difference between spyware and snoopware

spyware : that collect information about a person or organization without their knowledge and that may send such information to another entity without the consumer's consent

snoopware : program used in business which search employees electronic mails and computer files

Question.4 (4 Marks): Consider the following MS Excel Sheet, answer the following questions:

	A	B
1	Names	Grades
2	Sarah Ahmad	70
3	Rana Salem	50
4	Afaf Mohamed	86
5	Inas Zaki	95
6	Riham Abdo	60
7	walaa Abdallah	40
8	Tahani Dongel	68
9		

A. What formula can be used to calculate the Average grades for the students?

**= Average(B2:B8)**

B. What formula can be used to Calculate the Max Grade for the students?

**=Max(B2:B8)**

C. What formula can be used to calculate the Min Grade?

**=Min(B2:B8)**

D. Count the number of students using the correct formula?

**= Count(B2:B8)**

**or**

**= CountA(A2:A8)**