

5	For ADSL connections, the Upstream is usually:	<ul style="list-style-type: none"> A. 8 times the downstream <input checked="" type="radio"/> B. 1/8 of the downstream C. Same as downstream D. Double the downstream
6	The part of CPU that is responsible for controlling operations and communications:	<ul style="list-style-type: none"> A. ALU <input checked="" type="radio"/> B. CU C. Registers D. Cache
7	One of the following printers uses spraying ink to print information:	<ul style="list-style-type: none"> A. Inkjet Printer B. Laser printer C. Thermal Printer <input checked="" type="radio"/> D. Dot Matrix printer
8	A bar code reader is considered as:	<ul style="list-style-type: none"> <input checked="" type="radio"/> A. Input Device B. Output Device C. Storage device D. Network Device
9	The utility software that rearranges data on disk to increase access efficiency:	<ul style="list-style-type: none"> A. Desktop software B. Device driver <input checked="" type="radio"/> C. Disk defragmenter D. File compressor
10	The ratio of the width of a display screen relative to its height is called:	<ul style="list-style-type: none"> A. Resolution Ratio <input checked="" type="radio"/> B. Aspect Ratio C. PPI Ratio D. Both B and C options
11	A computer that manages a large amount of centralized data on Banks and Hospitals for thousands of users, is called:	<ul style="list-style-type: none"> A. Embedded. <input checked="" type="radio"/> B. Mainframe C. Personal Computer D. Supercomputer.
12	All of the following are advantages of cloud storage except:	<ul style="list-style-type: none"> A. Data Sharing. B. Security. C. Privacy. <input checked="" type="radio"/> D. Accessibility
13	The computer performance is affected by many factors like:	<ul style="list-style-type: none"> A. RAM capacity B. Processor speed C. Cache size <input checked="" type="radio"/> D. All of the choices

14	One of the following is a system software:	A. Device driver <input checked="" type="radio"/> B. Calculator C. Photoshop D. MS Word
15	Running multiple programs at the same time is the responsibility of:	<input checked="" type="radio"/> A. Defragmenter B. Device driver C. Operating system D. CPU
16	The amount of information that can be transmitted over a network in a given amount of time is known as:	A. Aspect Ratio B. Bandwidth <input checked="" type="radio"/> C. Resolution D. ADSL
17	Which of the following is a valid IP address:	A. 37.260.10.240 B. 37:255:10:240 <input checked="" type="radio"/> C. 37.255.10.240 D. 37.255.10
18	Which of the following network cables has the highest transmission rate:	A. Coaxial cable B. Twisted Pair <input checked="" type="radio"/> C. Fiber optics D. System bus
19	The CPU speed is measured in:	A. Mpbs → Mbps B. Giga bytes <input checked="" type="radio"/> C. GHz D. ppm
20	A(n) _____ shrinks يقلص the size of a file	A. Disk defragmenter <input checked="" type="radio"/> B. File compression utility C. Screen saver D. Data Packet

Q1 (20 Marks): Choose the correct answer for the following multiple choices, and fill in the table below.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A	D	C	A	B	B	D	A	C	B	B	D	D	B	B	B	C	C	C	B

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

1	Which of the followings is a permanent memory type?	<input type="radio"/> A. RAM <input type="radio"/> B. flash <input type="radio"/> C. Cache <input type="radio"/> D. Registers
2	2^{10} GB is equal to: $2^{10} \times 2^3 = 2^{13}$	<input checked="" type="radio"/> A. 1 TB. <input type="radio"/> B. 1024 GB. <input type="radio"/> C. 2^{20} MB. <input type="radio"/> D. All of the above.
3	The memory used to store data and programs responsible for starting up the computer is:	<input type="radio"/> A. RAM <input type="radio"/> B. ROM <input checked="" type="radio"/> C. CD <input type="radio"/> D. Cache
4	The most commonly used network architecture is:	<input checked="" type="radio"/> A. Client-Server. <input type="radio"/> B. Peer-to-Peer. <input type="radio"/> C. Bus topology <input type="radio"/> D. Ring topology.

Q3) (5Marks) Fill in the spaces below with the most suitable term from the choices in the following table:

MODEM	ROM	Ports	Laser printer
ADSL	Cache	Embedded Computer	Daisy Wheel printer

1. ADSL: A technology used for transmitting digital information on an existing phone line.
2. Laser printer; A printer that considered as non-impact type.
3. Embedded computer: A special-purpose computer that functions as a component in a larger product.
4. The cache is a type of memory resides between RAM and CPU used to speed up processing.
5. MODEM are used to connect the computer to external devices or peripherals.

End of the Exam 😊

Q2) (10 Marks) State whether each of the following statement are True (T) or False (F) :

8

No.	Statement	True/False
1	One of the operating system functions is to provide administration for security.	<input checked="" type="checkbox"/> T
2	A Byte is the basic storage unit in memory.	<input checked="" type="checkbox"/> T
3	Command Line Interface (CLI) is easier to use than Graphical User Interface (GUI).	<input checked="" type="checkbox"/> F
4	All programs that currently executing must be loaded into the ROM.	<input checked="" type="checkbox"/> F
5	Solid State Disk (SSD) is faster than Hard Disk Drive (HDD).	<input checked="" type="checkbox"/> T
6	Optical drive is the media where data is stored optically.	<input checked="" type="checkbox"/> F F
7	The output that produced from printers is called soft copy.	<input checked="" type="checkbox"/> T
8	A client is a computer used to host programs and data for a network and responds to server requests.	<input checked="" type="checkbox"/> T
9	Mac OS is an example of desktop operating system	<input checked="" type="checkbox"/> T
10	Modem is a device that connects two or more networks together.	<input checked="" type="checkbox"/> F

Q3) (5 Marks) Fill in the spaces below with the most suitable term from the choices in the

Student Name: ~~_____~~ 16

NO	Statement	T/F
1	Unlike viruses and worms, Trojan horses cannot replicate themselves	T
2	Ransomware is a type of malicious software designed to block access to a computer system until a sum of money is paid	F
3	Information security refers to the right of individuals and companies to deny the collection of data	T
4	Crackers are technically skilled persons who try to get unauthorized access within a computer system or a network.	F
5	The malware program that monitors and spies on his victim is called worm.	F
6	Cookies are small data files that are saved on your hard disk from websites you have visited	T
7	Encryption is the process of altering the original representation of information	F
8	Viruses are spread to you through social engineering	F
9	Antivirus ^{must} smut be updated continuously to provide good protection	T
10	CAPTCHA is used to ensure that the user of the system is not a robot.	T

Q2) List an example for the following:

Antivirus Program: Mcfee ~~Avira~~ Mc fee

Malware: worm, virus, spyware 3

Computer Attack: hack hackers

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