

NAME:

# COMPUTER SCIENCE

## Exit Pass

### 7.1.1 Computer Systems

Define the term 'computer system'

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[2]

Describe the difference between a general purpose system and an embedded system.

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[4]

Explain why embedded systems are used in devices rather than general purpose systems.

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[3]

NAME: \_\_\_\_\_

# COMPUTER SCIENCE

## Exit Pass

### 7.1.2 Internal Hardware

Define the term 'hardware'

[2]

Name the hardware component and describe its function.



Component name : \_\_\_\_\_

Function \_\_\_\_\_

\_\_\_\_\_

Component name : \_\_\_\_\_

Function \_\_\_\_\_

\_\_\_\_\_



Component name : \_\_\_\_\_

Function \_\_\_\_\_

\_\_\_\_\_

Name the hardware component and describe its function.



Component name : \_\_\_\_\_

Function \_\_\_\_\_

\_\_\_\_\_

Component name : \_\_\_\_\_

Function \_\_\_\_\_

\_\_\_\_\_



NAME: \_\_\_\_\_

# COMPUTER SCIENCE

## Exit Pass

### 7.1.3 The CPU, RAM and ROM

Describe the function of ROM in a computer system.

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[2]

Describe what happens when the power button is pressed to turn the computer on.

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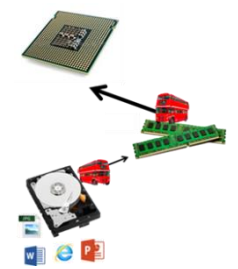
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[3]

Explain what happens when a program is opened on a computer system.



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[4]

NAME: \_\_\_\_\_

# COMPUTER SCIENCE

## Exit Pass

### 7.1.4 Peripherals

Define the term 'peripheral'

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[2]

State two peripherals required to use this Xbox computer system and whether they are an input or output peripheral.



Peripheral 1 : \_\_\_\_\_

Input or output? \_\_\_\_\_

Peripheral 2: \_\_\_\_\_

Input or output? \_\_\_\_\_

Explain why peripherals are required by a computer system.



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[3]

NAME:

# COMPUTER SCIENCE

## Exit Pass

### 7.2.1 Malware

Define the term 'malware'

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[2]

List 3 types of malware

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_ [3]

Anna received this message.  
Describe what type of malware this  
is and how it works.



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[3]

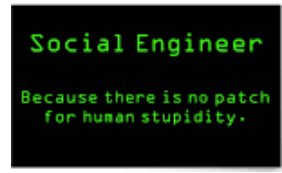
NAME: \_\_\_\_\_

# COMPUTER SCIENCE

## Exit Pass

### 7.2.2 Social Engineering

Define the term 'social engineering'



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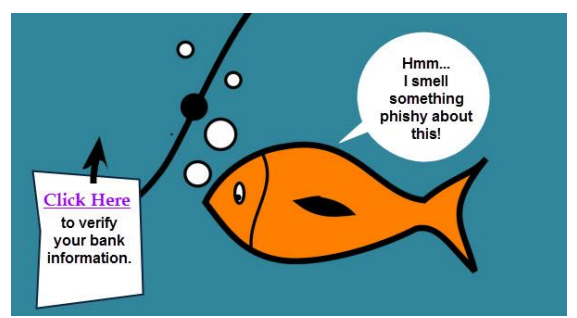
[2]

List 3 methods of social engineering

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

[3]

Look at the picture.  
What method of social engineering is being used and how does it work?



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[3]

NAME:

# COMPUTER SCIENCE

## Exit Pass

### 7.2.3 Networks

Define the term 'network'

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[1]

The two types of network are LAN and WAN.

LAN stands for

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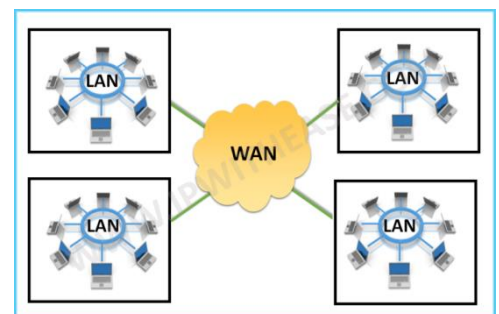
WAN stands for

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[2]

Look at the picture.

Describe the differences between a LAN and a WAN.



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[3]

NAME: \_\_\_\_\_

# COMPUTER SCIENCE

## Exit Pass

### 7.2.4 Network Attacks

Define the term 'network attack'

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[1]

List 3 types of network attack

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_ [3]

Look at the picture.  
Describe the type of network attack  
that the image represents.



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[3]



NAME: \_\_\_\_\_

# COMPUTER SCIENCE

## Exit Pass

### 7.2.5 Adding Security

List 3 ways in which a computer can be made more secure

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_ [3]

Describe how to create a 'strong password'

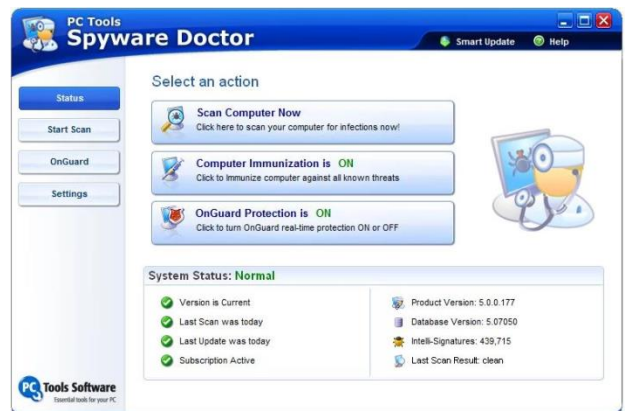
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[3]

**Look at the picture.  
Describe what spyware is  
and how anti-spyware can  
help protect a computer  
system.**



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[3]