Applied Information Technonology : Hardware Topic Test 2021

Year 11 ATAR / 12 General

Points: **41/48**

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1. What are the 3 categories of computers 🔊
(3/3 Points)

> Desktop, Servers, Mobile Devices

Correct answers: Desktop, Mobile, Server

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2. What is the definition of an input device
(2/2 Points)

> a device that creates information and sends it in binary to a computer, this allows a person to

Correct answers: any hardware that lets you enter and instructions into a computer or mobile device

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3. List four (4) Input Devices
(4/4 Points)

> Keyboard, Mouse, Microphone and a Web Cam

Correct answers: mouse, keyboard, scanner,, stylus, graphics tablet

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4. What is the purpose of a CPU?
   (2/2 Points)

> to be the brains of the computer and perform tasks requested by the operating system, it is a

Correct answers: The brains of computer that processes and calculates information required by the operating system. The CPU is attached to the motherboard.

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5. What is the major difference between Storage and Memory?
   (2/2 Points)

> Storage is slower than memory, storage is non-volatile meaning you can turn your computer

Correct answers: Memory is volitile, while Storage is non-volitile meaning that when power is turned off on a system memory is lost, while storage is retained.

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6. ALU is an acronym for what part of the CPU?
   (0/1 Point)

> Algorithmic Logic Unit

Correct answers: Arithmetic Logic Unit

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7. What role does the ALU perform in the CPU?
   (2/2 Points)

This is the part of the CPU that performs the mathematical calculations

Correct answers: ALU performs all arithmetic operations such as, addition, multiplication and divisio

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8. A HDD currently comes in two forms, what are they?
(1/2 Points)

Magnetic and non magnetic

Correct answers: Magnetic Hard Drive, SSD, Solid State Drive

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9. A pair of headphones and a speaker are what type of device?
(2/2 Points)

Ouput

Correct answers: Ouput Device, Output

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10. List four (4) forms of Secondary Storage
(4/4 Points)

HDD, SSD, Optical drive and a Flash drive

Correct answers: HDD, Hard Disk, SSD, Solid State Drive, Flash Memory, Floppy Disk,, Optical Disk, CD, DVD, BD, USB Flash Drive

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11. What is Application Software?
(0/2 Points)

It is a program that runs on a computer usually inside a OS

Correct answers: programs designed to make users more productive and to fulfil specifics requirements or complete a task.

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12. List three (3) applications designed for Productivity
(3/3 Points)

> Word, Excel and Calculator

Correct answers: Word, Excel Outlook Power Point

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13. What is the role of an Operating System?
(3/3 Points)

> To provide a 'bridge' between the backend and the user, it is a GUI so that people can use the

Correct answers: a set of programs that coordinate all the activities on a computer. It provides a means for hardware to communicate with software and a graphical or command line interface for the user.

14. Which of the following is a stand alone OS?
(1/1 Point)

- ⦿ Mac OSX ✓
- ◯ iOS
- ◯ iPadOS
- ◯ XBOX OS

15. A GPU does the following operation
(1/1 Point)

- ◯ Collects information temporarily and then distributes through the USB
- ⦿ Processes information and outputs on a display ✓

Processes information and inputs information into the CPU

Collects information and stores it when the computer is shut down

16. When selecting a computer system for graphic design, discuss what peripherals should also be consider to enable a graph artist to perform his job
(2/4 Points)

> A graphics tablet and stylus for art, keyboard and mouse to use the computer normally and a monitor with a good colour accuracy to ensure the final product is exactly what the artist intended

17. Which of the following industry specific peripherals are not computer controlled
(1/1 Point)

   ○ router

   ○ tube bender

   ○ sewing machine

   ○ plasma cutter

   ● none of the above ✓

✗

18. Discuss the benefits of using an iPad as a mobile business device, compared to an iPhone
(4/4 Points)

> It has a bigger screen, better battery life, supports more apps, has a faster processer, it can ou

Correct answers: larger screen, faster processor

19. Hardware Topic Notes
(4/5 Points)