

0417 and 0983
INFORMATION AND COMMUNICATION TECHNOLOGY
TOPIC MARK SCHEME PAPER-1 SET-2
SMART EXAM RESOURCES
Unit 1.4 Types of Computer

MARKS SCHEME 1

<p>Max four from:</p> <p><i>Advantages</i> Tablet computers are more portable Can be used in more places than a desktop computer Smaller footprint as the units are not separate Powered by battery so can be used away from a power supply Internet connection may be better as device is portable</p> <p>Max four from:</p> <p><i>Disadvantages</i> Tablet computers are easier to steal/lose As the elements of a desktop computer are separate they are easier to upgrade/tablet computers are one unit Batteries can run out/desktop computers have less chance of running out of power Screens are smaller Keyboard tends to be onscreen/touch screen therefore can be harder to use No mouse therefore pointing devices/touchscreen can be harder to use Webcams tend to be static therefore harder to use Less standard ports/sockets Desktop computers have a better heat dispersion rate Desktop computers are less likely to be damaged as they are not portable.</p>	6
---	----------

MARKS SCHEME 2

<p>Four from:</p> <p>Faster switch on as the operating system does not need to load <u>Lighter and smaller than a laptop computer</u> therefore more portable Don't generate as much heat Battery life tends to last longer Smaller footprint Easier to use the touch screen as the keyboard is not in the way Less susceptible to viruses Less parts//no separate peripherals, such as a mouse Camera is easier to use</p>	4
--	----------

Unit 1.4 Types of Computer

MARKS SCHEME 3

<p>Eight from:</p> <p>Advantages of a smartphone Smaller/lighter therefore easier to carry/more portable Easier to use than a laptop whilst on the move/laptop needs to be on a flat surface Has a video/digital camera built in therefore can be used instead of a camera/laptop uses a webcam The position of the camera is better than the webcam on a laptop/laptop webcam would be difficult to use as a digital camera/video camera Juan is more likely to have the smartphone with him Can easily be used as a dictaphone/a laptop would need specialist software to be used to record voice A laptop needs the use of other equipment like a camera then it becomes more cumbersome to carry around</p> <p>Disadvantages of a smartphone Very difficult to use to type up the report as the screen is smaller Difficult to type up the report using a smaller keyboard/online keyboard Due to screen/keyboard size more errors in typing Data cannot be saved to an external device therefore needs connectivity to Wi-Fi or data network/laptop can use external devices to store data Some software is compatible with smartphones but not all/less functions on the software Wi-Fi signals or data network are less reliable in remote areas/laptop can be used as a standalone computer Less memory than a laptop A laptop has a more powerful processor than a smartphone The software in a laptop tends to be more compatible with a PC therefore easier to transfer files</p> <p>To gain full marks both advantages and disadvantages are required</p>	8
--	----------

MARKS SCHEME 4

	Desktop	Laptop	Smartphone
A portable computer that would most easily fit into your pocket			✓
A computer that is not powered by batteries	✓		
A computer that has the smallest screen			✓
A portable computer with a keyboard and with a built-in 15 inch monitor		✓	

Unit 1.4 Types of Computer

MARKS SCHEME 5

<p>Four from: Smartphones are <u>more</u> portable Smartphones are lighter in weight Desktops cannot be used on the move//desktops need surfaces to work on Smartphones have integral devices//desktops have separate keyboard/monitor Smartphones can use 3G/4G/5G communications link Smartphones are battery powered//Desktops require a <u>constant</u> power supply Desktop requires extra hardware/software Desktop computers have a larger screen Desktop computers have a larger keyboard Desktop the footprint is larger Desktops more powerful Smartphones have more chance of being damaged/stolen <u>as they are portable</u> Smartphones tend to use modified websites//desktop can access more websites</p>	4
--	----------

MARKS SCHEME 6

<p>Four from: A laptop is more portable A laptop is made in one unit whereas a desktop has several items of hardware therefore fewer items to lose The footprint of the laptop tends to be smaller Lower power consumption Uses battery power so can be used in more places</p>	4
--	----------