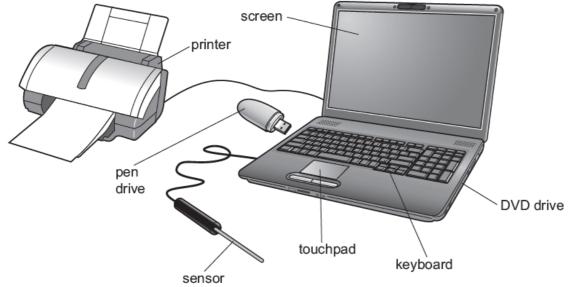
2.

Complete the following sentences, using items from the list below.

Applications A bar code reader A compiler A CPU		Hardwa	Hardware		
A monitor	A printer	A scanner	System	USB	
(a)	software	is designed to man	age computer ha	ardware.	[1]
(b)	software	examples include w	ord processing a	nd spreadsh	eets. [1]
(c)	produces	output in the form	of hard copy.		[1]
(d)	converts	high-level language	e programs into n	machine code	e. [1]
This diagram shows	s a laptop computer being us	sed in a measuring e	experiment.		



(a)	Apart from the keyboard, name two input devices shown in the diagram above.	
	1	
	2	[2]
(b)	Name two output devices shown in the diagram above.	
	1	
	2	[2]
(c)	Name two storage devices shown in the diagram above.	
	1	
	2	[2]

choose betwee	n using mag		er backups.
			er backups.

Joanne runs a large company. Her computer network has a large capacity server. She is investigating

	Many computer networks are connected using cables but some are now connected using wirele technology.
	Discuss the advantages and disadvantages of using wireless networks compared to using cabl networks.
Ro	botic systems are now widely used in the production of cars.
De	
De	botic systems are now widely used in the production of cars. scribe the effects this has had on job roles and working conditions in a car production factory.
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auto pro	oma duce	ails they have already booked. If they drive in to the self check-in lane, details of the car a tically input to a computer. The terminal which is used for the driver to identify themselves a personalised welcome message on a screen. There is a database which contains detariver and the car.	/es
(a)	Wr	ite down the data which is automatically input to the computer.	
			[1]
(b)	Otl	ner than your answer to (a) give two items of data stored in the computer database.	
	2 .		
			[2]
	(c)	Explain how Optical Character Recognition is used before the computer processes the da	
			[2]
	(d)	Explain the computer processing which takes place to produce the personalised message	
			[3]

A ferry connects two countries. When car drivers approach the ferry they have to check in to confirm

	ealth authority is planning to centralise its medical booking system. This will allow all medical kings such as doctors' appointments and hospital appointments to be made online.
	health authority is considering whether to implement the system using Pilot Running or Direct angeover.
(a)	Discuss the advantages and disadvantages of implementing this system using these methods. Include in your answer the method you think the health authority should use, giving a reason for your choice.
	[7]
(b)	The health authority has implemented the system and it is now in full use. Evaluation now needs to take place.
	For each of the following, identify two questions that could be asked in order to evaluate the new system.
	Efficiency
	Ease of use
	Appropriateness
	[6]

	umber of schools in a big town have Local Area Networks /LANs in their buildings. Each oil in a school using a LAN can access the same software and can save their work.
(a)	Give two ways that pupils can prevent the work they save from being copied by other pupils.
	1
	2
	[2]
(b)	The schools want to connect their LANs into a large Wide Area Network. They will probably use a modem to do this.
	Explain why this device is needed.
	[2]
(c)	When the WAN is set up the schools' pupils will be able to communicate with each other using a number of ways. Give two examples of these ways of communicating.
	1
	2
	[2]
(d)	The headteachers of the schools will want to send confidential data to each other. Identify a method which will prevent hackers from understanding the data.
	[1]