Chapter 5 questions:

1 **There are many microprocessor controlled devices used in the modern home.**
Describe two drawbacks in terms of lifestyle changes this has produced for the users of such devices.

2 The prolonged use of computers can lead to health and safety problems.

(a) Tick **two** health problems that may be caused by prolonged use of computers.

RSI	
Influenza virus	
Blood poisoning	
Headaches	

[2]

(b) Tick **two** ways of preventing health problems.

Sit far away from the monitor	
Sit in a comfortable chair	
Take regular breaks	
Put a screen filter in front of the monitor	

(c) Tick **two** safety problems that may be caused by the use of computers.

Back problems	
Electrocution	
Fire	
Hacking	

[2]

(d) Tick **two** ways of preventing safety problems.

Don't overload electrical sockets	
Make sure there are no bare wires	
Use an expert system	
Use anti-virus software	

3   Tick **three** developments which have arisen because of the internet.

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Web logs	
Databases	
Models	
Wikis	
DTP	
Social networking sites	

4   Tick whether the following statements apply to **Blogs** or apply to **Wikis**.

	Blogs	Wikis
Usually in some form of chronological order		
Usually many contributors and authors		
Usually personal		
Postings tend to be short in length		

5 The use of computers has led to some employees changing their working patterns.
Complete the following sentences.

(a) Two or more employees doing the same job but working at different times is called

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(b) When a person is employed to work fewer hours than the normal working week, this is called

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(c) When employees work the full normal hours in a week but work at times which suit them and the employer, this is called

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(d) When an employee works the full normal hours in a week but works fewer days, this is called

………………………………………………………………………………………..

6 Computers can cause health problems. Identify **two** of these problems and for each problem write down a method which would help you avoid it. Do not use the same method for both answers.

Problem 1 ....

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Method 1 ....

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Problem 2 ....

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Method 2 ....

.... [4]

7 There are many microprocessor-controlled devices in the modern home. Describe the effects of these devices on people's lifestyles.

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.... [4]

8 Explain what is meant by the following.

Part-time working ....

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Flexible hours ....

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Job sharing ....

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Compressed hours ....

.... [4]

9 For each of the statements below, identify the health problem most likely to be associated with them and a possible solution to the problem. Your answers should be different in each case.

	Health problem	Possible solution
Prolonged use of the Keyboard		
Looking at a monitor for a long period of time		
Sitting too long in one position		

10 **(a)** Describe the differences between physical safety and e-safety when using computers.

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.... [2]

(b) Describe **three** measures which should be taken in order to maintain e-safety.

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2 ....

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3 ....

.... [3]
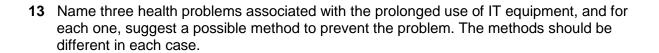
11 Identify two different types of job where employment has decreased. As a result of the introduction of computers into the workplace

12 Repetitive Strain Injury (RSI) is one of the health problems associated with the prolonged use of computers.
(a) Describe RSI and what causes it.

(b) State two strategies for preventing RSI.

13 Name three health problems associated with the prolonged use of IT equipment, and for each one, suggest a possible method to prevent the problem. The methods should be different in each case.

14 You use a computer to do your homework. You are concerned about the health issues of using a computer.
Discuss the advantages and disadvantages of different methods you could use to help minimise the health problems of using the computer.