**Revision worksheet chapter 6**

1. The city of Venice is in danger of being damaged due to rising sea levels. A new computer controlled flood defence system is being planned. The developers of the system are using a spreadsheet to model the plan.
2. Give three reasons why computer models are used to simulate the flood defence system.

1……………………………………………………………………………………………………………………………………………………………………………………………………………………...2……………………………………………………………………………………………………………………………………………………………………………………………………………………...3…………………………………………………………………………………………………………………………………………………………………………………………………………………[3]

1. The city uses a manual system for detecting flood waters. This relies on people watching for

the rising levels of water. Explain why creating a computerised system is better than using the manual system.

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1. (i) Explain what is meant by VOIP.

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(ii) Name two items of computer hardware that are needed in order to make a VOIP phone call

from one computer to another.

1……………………………………………………………………………………………………………..2….……………………………………………………………………………………………………….[2]

1. Car production lines use robots to manufacture the vehicles. The robots have devices attached to their arms to help in the manufacturing process.

(a) For each of the named devices, describe their use on a car production line.

Video camera .................................................................................................................................

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Light sensor ....................................................................................................................................

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Pressure sensor .............................................................................................................................

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(b) Give three advantages to the company of using robots rather than humans to manufacture

cars.

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1. Give three disadvantages to the company of using robots rather than humans to manufacture cars.

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