Name: Class:

Task 1

Purchasing stock as late as possible using a ‘Just in Time’ process has many advantages   
and disadvantages to a business. For each of the following statements in the table below,   
tick whether it is an advantage or a disadvantage. The first one has been done for you.

|  |  |  |
| --- | --- | --- |
|  | **Advantage** | **Disadvantage** |
| Capital is freed up to invest elsewhere in the business | Checkmark |  |
| Production can be disrupted by minor delays in the  supply chain |  |  |
| Premises/warehouse to store stock can be smaller |  |  |
| Reduces the concern of shelf life for perishable goods |  |  |
| May not be able to meet an unexpected high demand  for stock |  |  |
| The purchasing price of stock may vary |  |  |

Task 2

Watch the video at: <https://www.youtube.com/watch?v=xPe1jMuX32s>

(a) Describe some of the automated processes that were shown in making chocolate. As part of your description, explain why any automation is preferable to a human doing this process.

(b) Growing cacao in tropical countries is affected by seasonal weather conditions.   
This can affect the supply of stock around the world.

Explain how a chocolate manufacturer can analyse weather data to adjust the   
amount of cacao stock it purchases throughout a year.

Task 3

Automation has many positive benefits. It can be efficient and release people from doing mundane or repetitive tasks. There are though, a number of negative impacts.

Discuss the negative impacts that automation and the use of technology has on the workforce of a population.

Task 4

Visit and read the following webpage:

<https://uk.pcmag.com/old-news/92577/ai-has-been-creating-music-and-the-results-areweird>

Using the above article and your own knowledge, how are IT systems used in music production?

Task 5

Measuring the effectiveness of a traditionally would be done by comparing before and after sales figures together with customer surveys.  
  
How can online advertising provide further insights as to the effectiveness of a promotional campaign?