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Year 8 HASS- Economics and Business

Assessment 6: PART A: Technology in the Workplace (7.5%)

**Mark:­­\_\_\_\_\_\_\_\_\_\_/56**

**Task Summary:**

**Using the following website:** [**http://www.abc.net.au/news/2017-08-08/could-a-robot-do-your-job-artificial-intelligence/8782174**](http://www.abc.net.au/news/2017-08-08/could-a-robot-do-your-job-artificial-intelligence/8782174)**, research how technology has changed jobs (professions/occupations) in the last 20-30 years. Your task is then to investigate what jobs may be available in the future that will be altered by the use of technology.**

**You are required to complete the following steps:**

1. Open the website mentioned above.
2. **Select 4 jobs (Part 1). Be sure to include some jobs that you believe are likely to become more automated, and some jobs that are unlikely to be automated. (4 marks)**
3. Enter each job into the “*Is your job likely to be replaced by robots.*” website and then complete the ‘Findings Table’ (Part 2), provided in this booklet, by entering the required information. (32 marks)
4. **Create a neat and informative graph of your choice on the graph paper provided (Part 3), displaying the level/ chance of automation for each of your chosen jobs. Examples of graphs would include: Bar graph; Line graph; Pie graph. (6 marks)**
5. Select 3 jobs provided in the website: <http://www.futuristspeaker.com/business-trends/55-jobs-of-the-future/> (Part 4),

Your selection should be based upon those occupations that are likely to be popular and in demand in the future. Provide a written explanation for each of those jobs that includes the reasons for that predicted demand. **(12 marks)**

1. **Create a fictional job of the future (one that does not exist today) and give it an appropriate title(Part 5). Write a basic job description for this job and justify why this job might exist in the next 20 years. (8 marks)**
2. Once you have read the above, create a checklist for yourself in the space provided overleaf. This will act as a guide for your investigation and keep you ‘on track’.

**Checklist:**

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**Part 1: Select jobs**

1. Select 4 jobs: try to select some which you think may be likely to be replaced by robots; and some which may not be replaced by robots.

**(4 marks)**

Job 1:

Job 2:

Job 3:

Job 4:

**Part 2: Findings Table**

Use the link below to research your selected jobs and complete the findings table;

<http://www.abc.net.au/news/2017-08-08/could-a-robot-do-your-job-artificial-intelligence/8782174>

**(32 marks)**

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| --- | --- | --- | --- |
| **Name of the Job:** | **Percentage of the job that is susceptible to automation** | **Element of the job that is susceptible to automation** | **Tasks of the job that are less susceptible to automation** |
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| **Name of the Job:** | **Percentage of the job that is susceptible to automation** | **Element of the job that is susceptible to automation** | **Tasks of the job that are less susceptible to automation** |
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**Part 4: Jobs of the future**

**(6 marks)**

Use the link below to complete the following tasks;

<http://www.futuristspeaker.com/business-trends/55-jobs-of-the-future/>

1. Choose one profession from the website above and outline, with the use of full sentences and correct grammar, why the job will be in demand in the future.
2. Job title:
3. Reason for future demand:

**Part 5: Create a Job**

Create a job that you believe may exist in the next 20 - 30 years. The job should not currently exist. Provide a description of the projected job and justify why you believe it will exist in the future.

**(8 marks)**

Job title:

Job description (Outline the role of the person employed for this job – what they will be expected to do and the goods/services they will provide):

(3 marks)

Justify why you believe it will exist in the future. Refer to at least two to three examples to support your justification.

(5 marks)

Name: Date:

**Task 11: Technology in the Workplace- Marking Key**

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| **Part 1** |  |  | **3-4** | **0-2** |
| **Job selection** |  |  | Chooses a variety of appropriate professions  Has made careful consideration to choose jobs that are likely to be automated and jobs that are unlikely to be automated. | Chooses similar/ little variety of professions. Little or no consideration appears to be made on whether the jobs are likely to be automated. |
| **Part 2** | **7-8** | **5-6** | **3-4** | **0-2** |
| **Findings Table**  **Job 1** | Contains detailed information about the percentage chance of automation. Clearly explains the elements of the job that are likely to be automated and then explains the elements of the job that are less susceptible to automation. | Contains information about the percentage chance of automation.  Provides a somewhat clear explanation of the element of the job that likely to be automated and the elements of the job that are less susceptible to automation. | Contains basic information about the percentage chance of automation. Provides an outline of the elements of the job that are likely to be automated and the elements of the job that are less susceptible to automation. | Does not provide the percentage chance of automation or is incorrect. Little or no information has been provided on the elements of the job that are susceptible to automation and those that are less susceptible. |
| **Findings Table**  **Job 2** | Contains detailed information about the percentage chance of automation. Clearly explains the elements of the job that are likely to be automated and then explains the elements of the job that are less susceptible to automation. | Contains information about the percentage chance of automation.  Provides a somewhat clear explanation of the element of the job that likely to be automated and the elements of the job that are less susceptible to automation. | Contains basic information about the percentage chance of automation. Provides an outline of the elements of the job that are likely to be automated and the elements of the job that are less susceptible to automation. | Does not provide the percentage chance of automation or is incorrect. Little or no information has been provided on the elements of the job that are susceptible to automation and those that are less susceptible. |
| **Findings Table**  **Job 3** | Row contains detailed information about the percentage chance of automation. Clearly explains the elements of the job that are likely to be automated and then explains the elements of the job that are less susceptible to automation. | Contains information about the percentage chance of automation.  Provides a somewhat clear explanation of the element of the job that likely to be automated and the elements of the job that are less susceptible to automation. | Contains basic information about the percentage chance of automation. Provides an outline of the elements of the job that are likely to be automated and the elements of the job that are less susceptible to automation. | Does not provide the percentage chance of automation or is incorrect. Little or no information has been provided on the elements of the job that are susceptible to automation and those that are less susceptible. |
| **Findings Table**  **Job 4** | Row contains detailed information about the percentage chance of automation. Clearly explains the elements of the job that are likely to be automated and then explains the elements of the job that are less susceptible to automation. | Contains information about the percentage chance of automation.  Provides a somewhat clear explanation of the element of the job that likely to be automated and the elements of the job that are less susceptible to automation. | Contains basic information about the percentage chance of automation. Provides an outline of the elements of the job that are likely to be automated and the elements of the job that are less susceptible to automation. | Does not provide the percentage chance of automation or is incorrect. Little or no information has been provided on the elements of the job that are susceptible to automation and those that are less susceptible. |
| **Part 3** |  | **5-6** | **3-4** | **0-2** |
| **Graph** |  | Graph that has been chosen is highly appropriate for displaying the data. The graph includes the following elements; a title, clear labels for each profession and shows the percentage chance of automation clearly. Data has been represented accurately. | Graph that has been chosen is appropriate for displaying the data. The graph includes most of the following elements; title, clear labels for each profession and shows the percentage chance of automation. Data has been represented accurately | Graph that has been chosen to display the data is not suitable for displaying the data. The graph includes one or none of the following elements; title, clear labels for each profession and shows the percentage chance of automation clearly. Data has not been represented accurately. |
| **Part 4** |  | **5-6** | **3-4** | **0-2** |
| **Jobs in the Future** |  | Has outlined in great detail why the selected profession is likely to be in demand in the future. | Has outlined basic reasons why the selected profession is likely to be in demand in the future. | Has outlined little or no reasons why the selected profession is likely to be in demand in the future. |
| **Part 5** | **7-8** | **5-6** | **3-4** | **0-2** |
| **Create a Job** | Has created a profession which is well thought out and likely to be in demand in the future. A detailed job description has been provided, which clearly explains the daily duties and expectations of the profession. Has explained in detail why they believe the job is likely to exist in future and has used extensive evidence to support their argument. | Has created a profession which is likely to be in demand in the future. An outline of the job description has been provided, which explains the daily duties and expectations of the profession. Has explained why they believe the job is likely to exist in the future and has used evidence to support their argument. | Has created a profession which may not be likely to be in demand in the future, however has a provided a somewhat detailed justification of why the job is likely to exist in the future. A basic outline of the job description has been provided. | Little thought has gone into the creation of the profession and little or no justification has been provided as to why the job will be in demand in the future. Little or no information has been given to describe the profession. |
| **Comment:** | | | | **Total:**  **/56** |