**YEAR 12 ATAR AIT IMPACTS OF TECHNOLOGY REVISION QUESTIONS**

### Impacts of Technology (year 12)

* the concept of intellectual property (IP)
* intention and purpose of IP in Australia in relation to copyright and/or design of digital products
* the concept of online defamation in Australia
* legal action available in Australia to counteract online defamation
* the concept of freedom of information (FOI) in Australia
* key provisions of FOI in Australia in relation to digital products
* advantages, disadvantages and implications of virtual and physical collaboration
* impact of convergence trends in contemporary digital technologies

**REVISION QUESTIONS:**

Syllabus Point:

* the concept of intellectual property (IP)

1) Define intellectual property. (2 marks)

2) List **six** different categories of intellectual property. (6 marks)

* intention and purpose of IP in Australia in relation to copyright and/or design of digital products

<https://www.aph.gov.au/About_Parliament/Parliamentary_Departments/Parliamentary_Library/pubs/BriefingBook44p/Copyright>

1. Read the article above and explain the challenges of the Copyright Act (1986) and digital products/services including (you may need to conduct further research): (16 marks)

|  |  |
| --- | --- |
| a) Cloud computing: |  |
| b) Time-shifting: |  |
| c) Web-based retransmissions of broadcasts |  |
| d) Liability of ISPs for copyright infringement |  |

Explain a potential copyright challenge for the following:

1. Case study 1: Most movies on Blu-ray and 4K HD discs purchased today include a Digital Copy/eCopy obtained through a download code through the iTunes store or Google Play store.
2. Case study 2: Perth City Library patrons have access to online services to download EBooks and watch movies through a login portal.
3. Case study 3: Pay-per-view.
4. Case study 4: Video on demand.
5. Case study 5: Using a VPN to access American Netflix in Australia.

* the concept of online defamation in Australia

1. Define online defamation. (2 marks)
2. Explain online defamation and provide **one** example. (3 marks)

* legal action available in Australia to counteract online defamation

1) List three types of legal action available in Australia to counteract online defamation.

(6 marks)

|  |  |
| --- | --- |
| 1 |  |
| 2 |  |
| 3 |  |

* the concept of freedom of information (FOI) in Australia

1. Explain the concept of freedom of information (FOI) in Australia and provide **one** example. (3 marks)
2. List **two** benefits of FOI in Australia (2 marks)
3. List **two** potential costs of FOI in Australia (2 marks)

* key provisions of FOI in Australia in relation to digital products

“Publish information. Information has greater value when shared widely. That is why the FOI Act declares that government information is a national resource for public access and use.”

1) Referring to the statement above, explain how publishing online benefits the Australian public.

* advantages, disadvantages and implications of virtual and physical collaboration

1) Explain the concept of virtual collaboration and provide **one** example. (3 marks)

2) Describe **two** advantages of using virtual collaboration technology. (4 marks)

3) Describe **two** disadvantages of using virtual collaboration technology. (4 marks)

4) Explain in detail, **one** implication of using virtual collaboration technology. (4 marks)

* impact of convergence trends in contemporary digital technologies

1) The following table lists five convergence trends in contemporary digital technologies. Outline the impact of each trend. (10 marks)

|  |  |  |
| --- | --- | --- |
| **Convergence Trend** | **Example** | **Impact** |
| User-generated content mixed with copyright content to create new content | School videos created for the Sports carnival-using student capture footage and copyright-protected audio.  <https://www.pof.com.au/qa-user-generated-content-and-copyright/> |  |
| VoIP (telecommunications services provided over the Internet) | VoIP services such as Skype and WhatsApp being used instead of regulated telecommunications services (phone line/mobile towers).  <http://www.ciscopress.com/articles/article.asp?p=28472> |  |
| Analogue/non-digital to digital | Digitisation of print text to eBooks. Online newspapers.  <http://www.information-age.com/impact-internet-things-iot-123467503/> |  |
| Internet of Things | <http://www.information-age.com/impact-internet-things-iot-123467503/> |  |