**Design & Technology**

**Property rights**

**Materials required for questions**

* Pencil
* Rubber
* Calculator

**Instructions**

* Use black ink or ball-point pen
* Try answer all questions
* Use the space provided to answer questions
* Calculators can be used if necessary
* For the multiple choice questions, circle your answer

**Advice**

* Marks for each question are in brackets
* Read each question fully
* Try to answer every question
* Don’t spend too much time on one question

**Good luck!**

**Q1.** What government office grants Patents?

**A** Intellectual property office

**B** International property office

**C** Intellectual property organisation

**Q2.** How long does a patent last?

**A** 30 years

**B** 20 years

**C** 70 years

**Q3.** For your work to be covered by copyright it needs to be what by definition?

**A** Original and Tangible

**B** New and Original

**C** Physical and Original

**Q4.** Why might someone apply for a patent

**A** Add value to the business

**B** They think their idea already exists

**C** To secure rights to an existing solution

**Q5.** How long do copyrights last after the death of the creator?

**A** 100 years

**B** 70 years

**C** Forever

**Q6.** Design rights cover what?

**A** How the product looks

**B** How the product functions

**C** How the product is made

**Q7.** How often do trademarks need to be renewed?

**A** Every 5 years

**B** Every 20 years

**C** Every 10 years

**Q8.** Can a trademark incorporate words?

**A** Yes

**B** No

**Q9.** Explain one benefit to the designer of taking out a patent on a new design **(2 marks)**

**Q10.** Give **two** ways a copyright will protect a company’s image **(2 marks)**

**Q11.** Give **two** disadvantages of patenting design ideas **(2 marks)**

**Q12.** Give **two** forms a trademark may take to identify a genuine **product (2 marks)**

**Answers**

**Q1. A  
Q2. B  
Q3. A  
Q4. A  
Q5. B  
Q6. A  
Q7. C  
Q8. A**

**Q9.**

* It will protect their design/feature/concept so no one else can copy it (1)
* Therefore, it is potentially worth more money/the inventor will have time to develop it/it will give the designer more recognition (1)

**Q10.**

* Prevents the distribution/renting/lending/selling of copies by others (1)
* Prevents others from showing/using the images in public (1)
* Prevents others from putting the images on the internet (1)
* Copyright protection will prevent others from illegally copying the images (1)
* Prevents others from making an adaptation of the company’s images (1)
* Potential court action for the breach of copyright by others will act as a disincentive to copy images (1)
* Prevents others from claiming ownership of the image (1)

**Q11.**

* Designs become publicly available / secrecy is lost (1)
* Time consuming / 3 to 4 years to obtain a patent (1)
* Speed of technological development may mean that the invention is out of date by the time the patent is granted (1)
* Cost of registering the patent / annual fees for maintaining the permit (1)
* May need to be prepared to defend your patent (1)
* Often the patent is not that effective as many patents can be ‘copied’ by clever changes to the design / legal loopholes / minor changes (1)
* Limits development / design improvements by other companies / discourages the sharing of new design ideas (1)
* Patents are time limited / can only be renewed for 20 year period / require renewal every 4 years (1)
* Monopoly situations arise when only one manufacturer is allowed to produce a product (1)
* Patents may not be valid internationally (1)

**Q12.**

* Symbol / insignia / logo / icon (1)
* Word / phrase / slogan (1)
* Name / initials (1)
* Device / design / style (1)
* Sounds / jingle (1)
* Colour schemes (1)