ENGLAND GCSE DESIGN AND TECHNOLOGY EDEXCEL · UNIT 4 · 10 QUESTIONS

Designing and Making Principles — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A workbench holds a jig for repeat work. What is a jig in making?**

- **A** A type of material used for a product, which can happen in some cases
- **B** A device that holds work in the right place for repeat work
- **C** A tool that cuts material by hand
- **D** A finish applied to a surface

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2 **A backpack has a life cycle analysis done on it. What is a life cycle analysis?**

A Looking only at how a product is sold

B Looking at the environmental impact of a product from raw material to disposal

C Looking only at the colour of a product, which is one possibility in some situations

D Looking only at the price of a product

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3 **What is primary research in design?**

A Research collected first hand by the designer, such as a survey or interview

B Research taken from books and websites

C Research that is never recorded at all, which is one possibility in some situations

D Research copied from another designer

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4

Why are tolerances important?

A Parts must fit together even when sizes vary slightly

B Parts must always be made by hand

C Parts must always be exactly the same size, in some situations

D Parts must never be checked at all

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5

What is James Dyson known for?

A Plastic chairs in bright colours

B Flat pack furniture sold around the world, in some situations

C Bagless vacuum cleaners using cyclone technology

D Glass buildings with steel frames

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6 **What does repair mean in the 6 Rs?**

A Buying a new product instead

B Melting a broken product down

C Fixing a broken product so it can be used again

D Throwing a broken product away at once, in some situations

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7 **What is an exploded view?**

A A drawing that shows parts separated so their order can be seen

B A drawing that hides all the parts

C A drawing that shows a product in use

D A drawing that shows only the outside of a product, in some situations

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8 **What is a tolerance in making?**

A The amount a size is allowed to vary and still work

B The amount of money a product costs to make, in some situations

C The amount of time a product takes to make

D The amount of material wasted in making

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9 **What is meant by a design movement?**

A A type of material used in a product

B A shared style or set of ideas used by designers at a time

C A machine that moves a product along a line, in some situations

D A way of selling products in a shop

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10 **What does recycle mean in the 6 Rs?**

A Using a product again without changing it, in some situations

B Processing a used material to make a new product

C Throwing a used material away in landfill

D Repairing a broken product

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ANSWER KEY

1. B
2. B
3. A
4. A
5. C
6. C
7. A
8. A
9. B
10. B

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