

**MULTIPLE CHOICE**  
**QUESTIONS AND**  
**ANSWERS**  
**(Part One)**

SELECT THE  
CORRECT ANSWER  
FROM EACH OF  
THE QUESTIONS

Tap to start



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1. A house alarm system has a number of outputs and inputs. Identify an **OUTPUT** from the selection below.

A. Movement sensor



B. Key pad



C. Siren



D. Magnetic door sensor

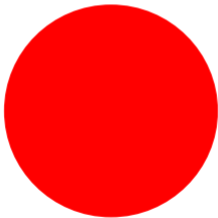


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ABOUT INPUTS AND  
OUTPUTS



**WRONG  
ANSWER**

TAP THE BUTTON TO TRY  
AGAIN



# CORRECT ANSWER

TAP THE BUTTON FOR THE  
NEXT QUESTION



2. The drawing below shows a simple drawing of a bridge. What is the **force** applied to part X.



A. Tension



B. Compression



C. Torsion



D. Shear

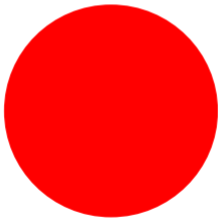


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**WRONG  
ANSWER**

TAP THE BUTTON TO TRY  
AGAIN



# CORRECT ANSWER

TAP THE BUTTON FOR THE  
NEXT QUESTION



3. Which of the following metals is a **non-ferrous** metal?

A. Steel



B. Copper



C. Iron



D. Stainless Steel



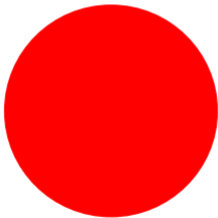
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FERROUS AND  
NON-FERROUS METALS**





**WRONG  
ANSWER**

TAP THE BUTTON TO TRY  
AGAIN



# CORRECT ANSWER

TAP THE BUTTON FOR THE  
NEXT QUESTION



4. From the list of materials, identify the **metal alloy**.

A. Copper



B. Chromium



C. Stainless steel



D. Lead

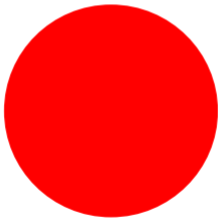


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ALLOYS



**WRONG  
ANSWER**

TAP THE BUTTON TO TRY  
AGAIN



# CORRECT ANSWER

TAP THE BUTTON FOR THE  
NEXT QUESTION



5. Which of the following systems, means the production of **ONE** item?

A. Prototype manufacture.



B. Continuous Manufacture



C. Batch production

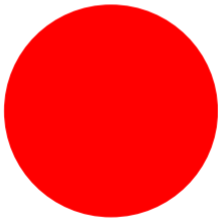


D. Mass manufacture



**WRONG  
ANSWER**

TAP THE BUTTON TO TRY  
AGAIN



# CORRECT ANSWER

TAP THE BUTTON FOR THE  
NEXT QUESTION





6. Which of the following statements is **true**?

A. Pine is a manufactured material



B. Zinc is used to protect metal from corrosion



C. MDF means 'Middle, Density, Foam'



D. QC mean 'Quality Counts'

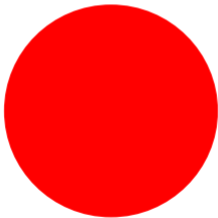


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MATERIALS**



**WRONG  
ANSWER**

TAP THE BUTTON TO TRY  
AGAIN



# CORRECT ANSWER

TAP THE BUTTON FOR THE  
NEXT QUESTION



7. Which of the statements below is The definition of the physical property '**Elasticity**'?

A. The ability of a material to stand up to forces being applied without it bending, breaking, shattering or deforming in any way.



B. The ability of a material to change shape (deform) usually by stretching along its length.



C. The ability of a material to stretch without breaking or snapping.



D. The ability of a material to absorb force and flex in different directions, returning to its original position.

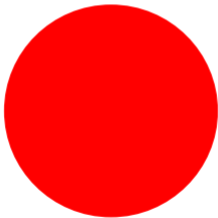


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PROPERTIES OF  
MATERIALS**



**WRONG  
ANSWER**

TAP THE BUTTON TO TRY  
AGAIN



# CORRECT ANSWER

TAP THE BUTTON FOR THE  
NEXT QUESTION



8. Designers consider 'sustainability' as one important aspect of design.

What is **sustainability**?

A. A product that is designed to use once.



B. Materials that can be naturally replenished / regrown.



C. Finite materials are the only materials used in the manufacture of a product



D. Sustainability means involving the customer at all stages of design

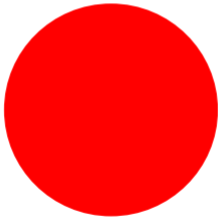


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SUSTAINABILITY**



**WRONG  
ANSWER**

TAP THE BUTTON TO TRY  
AGAIN





# CORRECT ANSWER

TAP THE BUTTON FOR THE  
NEXT QUESTION



9. Which of the following 'finishes' is used for **woods**.

A. Anodising.



B. Chemical Blacking.



C. Galvanising



D. Shellac

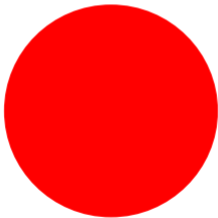


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**WRONG  
ANSWER**

TAP THE BUTTON TO TRY  
AGAIN

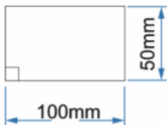


# CORRECT ANSWER

TAP THE BUTTON FOR THE  
NEXT QUESTION



10. What is the **area** of the rectangle shown below?



A.  $500\text{mm}^2$



B.  $50000\text{mm}^2$



C.  $5000\text{mm}^2$



D.  $5500\text{mm}^2$

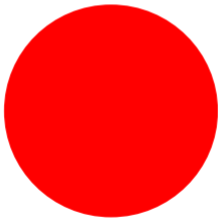


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**WRONG  
ANSWER**

TAP THE BUTTON TO TRY  
AGAIN



# **CORRECT ANSWER**

**YOU HAVE FINISHED  
THE QUESTIONS**

