

# EXAMINATION QUESTIONS

## BARREL NUT AND BOLT- DOUBLE ENDED STUD BOLT

### - TOGGLE BOLT - COUPLING NUT - GRUB SCREW

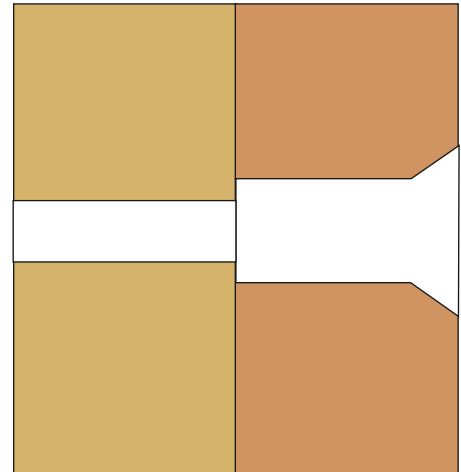
**HELPFUL LINKS:**      [http://www.technologystudent.com/equip\\_flesh/blot2.html](http://www.technologystudent.com/equip_flesh/blot2.html)

1. Describe the one practical application of hex socket head barrel nuts and countersunk screw bolt fasteners. Complete the sketch.    **4 marks**

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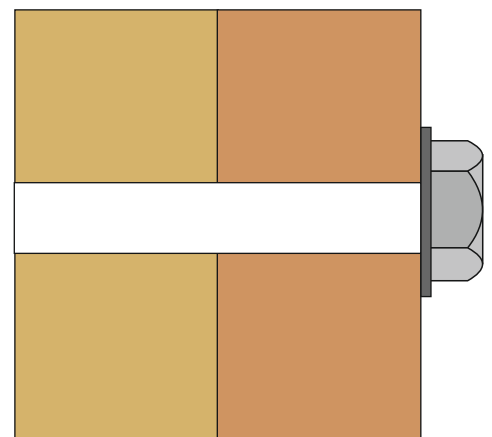


2. Name the machine screw / bolt shown opposite.  
**1 mark**

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3. Complete the diagram by adding the machine screw you named in question 2 and a second 'nut'.  
**4 marks**



4. Name this component and describe its function / purpose.  
**2 marks**

Name : \_\_\_\_\_

Function / purpose: \_\_\_\_\_

\_\_\_\_\_

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5. Name and describe the function of this unusual machine bolt. **3 marks**

Name: \_\_\_\_\_

Function: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_



6. Using notes and a sketch(s), describe how a grub screw is used to fix a pulley wheel to the shaft of a motor.

**6 marks**



\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_