

# THE BAND SAW - EXAMINATION QUESTIONS

HELPFUL LINK: [https://technologystudent.com/equip\\_flsh/bandsaw2.html](https://technologystudent.com/equip_flsh/bandsaw2.html)

1. Describe a typical band saw blade. Include the type of metal and refer to the teeth.  
**2 marks**

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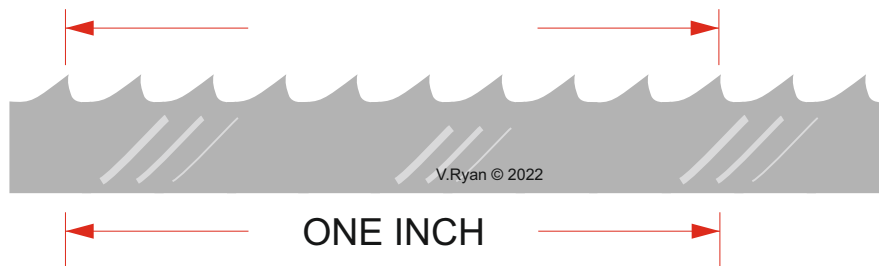
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2. With reference to the diagram below, explain what is meant by TPI. You can add to the diagram, to support your written answer. **3 marks**

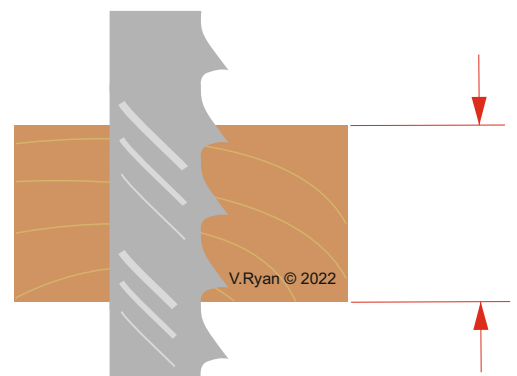
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3. Study the diagram opposite. What is it referring to? You can add to the diagram, to support your written answer. **2 marks**



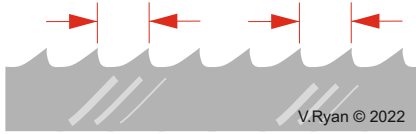
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4. Sketch / paste an image, of each of the band saw blades listed below. Describe their general use. ( The first has been completed for you) **6 marks**

## REGULAR TOOTH

UNIFORM DISTANCE BETWEEN TEETH



Common an standard blade, producing  
a fine cut on woods. Most band saws  
are fitted with this type of blade.

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## HOOK TOOTH

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\_\_\_\_\_

\_\_\_\_\_

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## SKIP TOOTH

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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## VARIABLE PITCH

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\_\_\_\_\_

\_\_\_\_\_

5. What is meant by the term 'band saw blade set'? Why is the set important? Include a diagram to support your answer. **4 marks**

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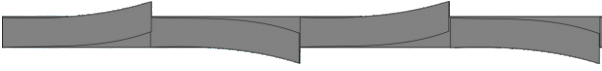
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HELPFUL LINK: [https://technologystudent.com/equip\\_flash/bandsaw2.html](https://technologystudent.com/equip_flash/bandsaw2.html)

**6.** Blades are sometimes selected because of their 'set'. Four 'sets' are listed below. describe the purpose of each 'set'. Paste an image of each 'set'. ( The first has been completed for you)  
**6 marks**

STANDARD SET



*The teeth are bent alternatively to the left / right - the most common type of blade used .*

RAKER SET

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WAVY SET

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ALTERNATE SET

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