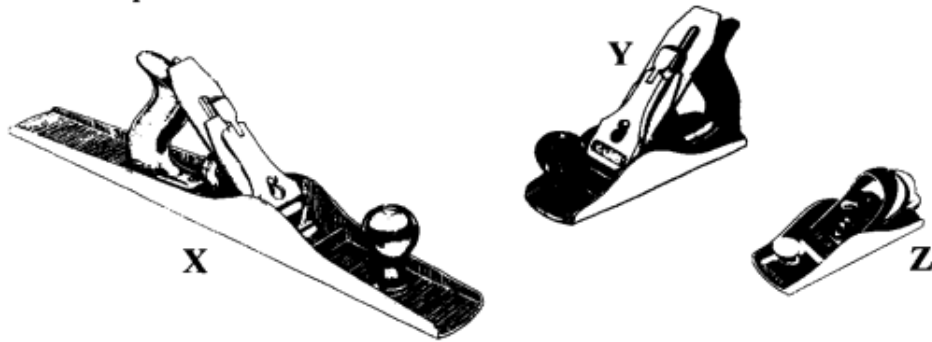
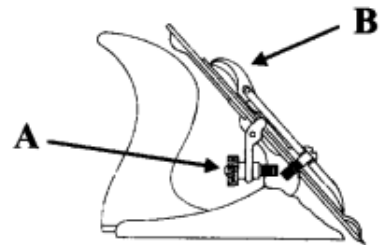


5. (i) The diagrams show three different types of plane. Name **ANY TWO** of the planes.



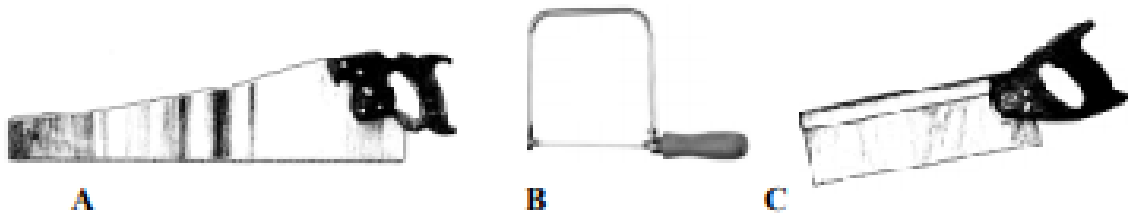
- (ii) The diagram on the right shows the cutting assembly of a plane. Name the parts labelled **A** and **B** and state their functions.



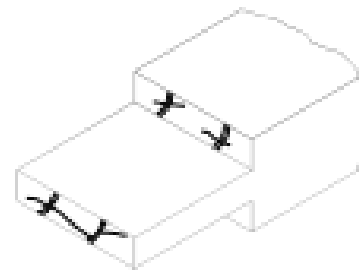
- (iii) The mouth of the plane shown in the diagram has become clogged. Give **TWO** reasons why this might have happened and describe what should be done to prevent it from occurring in the future.



5. (i) The diagrams show three different types of saw. State the correct names for the saws labelled **A**, **B** and **C**, and give an appropriate use for each.

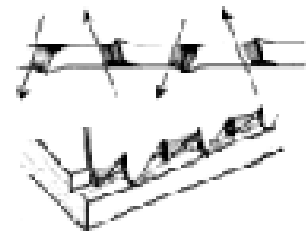


- (ii) The diagram shows the **Tenon** portion of a Mortise and Tenon joint. With the aid of notes and *neat freehand sketches*, describe the steps that should be taken in **marking out** and **cutting** the tenon.



- (iii) Explain what is meant by the term "**Saw-Kerf**".

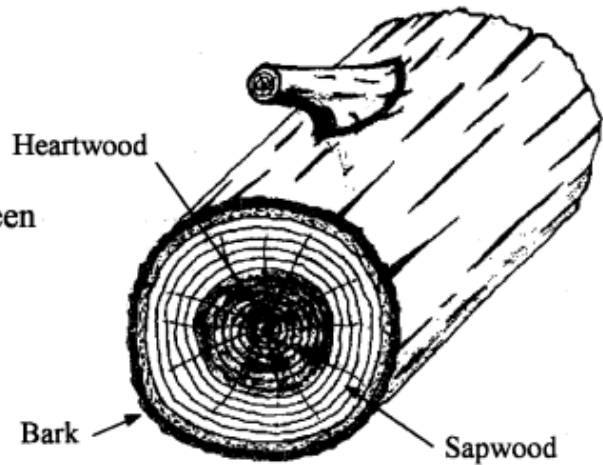
- (iv) Shown in the diagram is a close up view of the teeth of a saw. The teeth are bent alternately to the left and right of the centreline of the saw blade. What name is given to this feature, and what function does it serve?



Ordinary level - 2002

3. A diagram of the cross-section of a tree trunk is shown with some of its parts labelled.

- (i) Describe **two** functions of the bark of a tree.
- (ii) Describe **two** differences between heartwood and sapwood.
- (iii) Name and describe **one** other part of a tree cross-section.
- (iv) A tree consists of three main parts, the roots, the trunk and the crown. Give **one** function of each part.



Ordinary level - 2003

3. (i) Ash is a deciduous tree that grows in Ireland. Name **two** other types of deciduous tree which grow in this country.
- (ii) Describe, using notes and neat freehand sketches, **four** characteristics of deciduous trees.
- (iii) Norway Spruce is a coniferous tree that grows in Ireland. Name **two** other types of coniferous tree which grow in this country.
- (iv) Describe, using notes and neat freehand sketches, **four** characteristics of coniferous trees.

