

STAGE 5 IT Timber Assignment No: 3

The growth and structure of a tree.

Due Date: _ Fri. 28-06-24

Research and investigate the following and produce an informative handout or poster on the topic.

- A tree may be divided into three sections:
 1. Crown
 2. Trunk
 3. Roots

Describe these three sections and their functions.

- The cross section or transverse section of a tree shows many parts of a trees structure.
 4. Bark
 5. Cambium layer
 6. Sapwood
 7. Growth rings
 8. Medullary rays
 9. Pith or Medulla
 10. Heartwood

Draw a cross section of a tree to indicate these parts and describe each of them.

- A tree grows in two ways:
 11. In height
 12. In girth or diameter.

Explain how both of these take place.

- The structure of wood. Wood is classified as either a 'Hardwood' (pored wood) or 'softwood' (non pored wood).
Use tables and diagrams to distinguish the differences between hardwoods and softwoods.
Give some examples of each.

Your ability to research the necessary information and then extract the important aspects in order to clearly answer the questions is an important aspect of this assignment.

Marks will also be awarded for making a list of all reference material used in researching the assignment.

Assignment 3. Marking Schedule.

Put this sheet in your A4 Loose Leaf Folder so that it can be used to calculate your assignment mark.

Marking Indicators

Possible marks	8-10	5-7	2-4	1
1.Three sections of a tree. Crown Trunk Roots	A well-presented response, good layout, easy to read presentation that clearly shows evidence of research and extraction of pertinent information. Appropriate use of diagrams/pictures	A well-presented response but little evidence of summarizing researched information. Some use of diagrams and pictures	An adequate response but poor presentation and no evidence of extracting important information	A very poor response without thought towards presentaion
Total for Section 1 /10				
Possible marks	8-10	5-7	2-4	1
	Appropriate use of diagrams/pictures Short but concise definitions that clearly answers question. Clear evidence of research, extraction of pertinent information.	Appropriate diagram. Obviously researched but too much unnecessary information that has not been re-worded to clearly answer the question	Poor Diagram. Poor information with no attempt at presenting a clear answer	Copied information without any modification or any thought towards presentation
2.Transverse section				
3.Growth of tree				
4.Structure of timber.				
Total for Sections 2-4 /30				
Possible marks	8-10	5-7	2-4	1
Overall Preentation/ References	Well thoughtout attractive presentation.Good layout, Additional relevant interesting information Information sources referenced	A reasonable layout, not well organized.Some additional information Some referencing	Responces out of order and very difficult to find. Very poor referencing	Very poor presentation, No referencing
Total for section 5 /10				

Total:/50

Comment;

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