

2019 - 2020

2<sup>nd</sup> year

Materials Technology Wood

Summer Assessment



Ms Power

Answer any 2 of the 3 Questions provided

Wednesday (27-05-2020) 9am - 10.30am

*Complete your work and photograph, then send to*

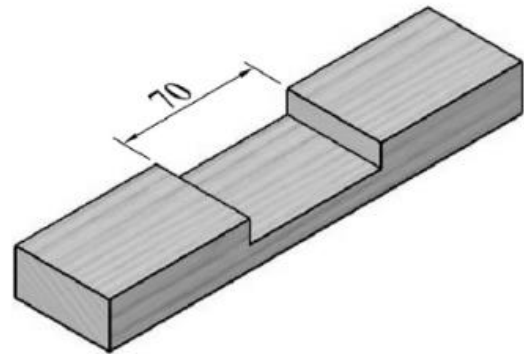
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1

The image on the right shows four saw types.

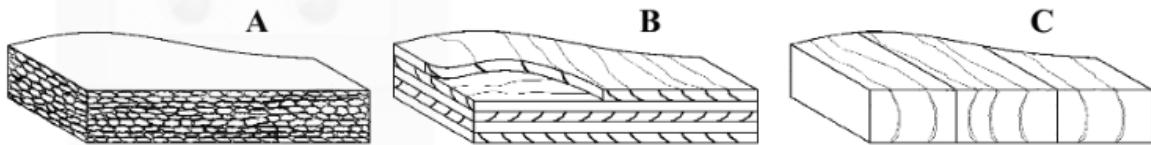


- (i) Give the correct name for each of the saws, labelled **A**, **B**, **C**, and **D**, and state where each saw would be used.
- (ii) In most saws, the teeth face away from the handle, but in saw **C**, the teeth generally face towards the handle. Explain why this is so.
- (iii) Using notes and *neat freehand sketches*, describe the steps involved in replacing a broken blade in saw **C**.
- (iv) With the aid of notes and *neat freehand sketches*, describe *in detail*, the steps you would follow to mark out and remove the trench shown in the diagram.



2

- (i) Name the **THREE** manufactured boards, labelled **A**, **B**, and **C**, in the diagrams.



- (ii) State **FOUR** advantages of manufactured boards.
- (iii) With the aid of notes and *neat freehand sketches* describe, in detail, the manufacture of **ONE** of the above boards.
- (iv) State how the use of manufactured boards can help reduce the current rate of global deforestation.

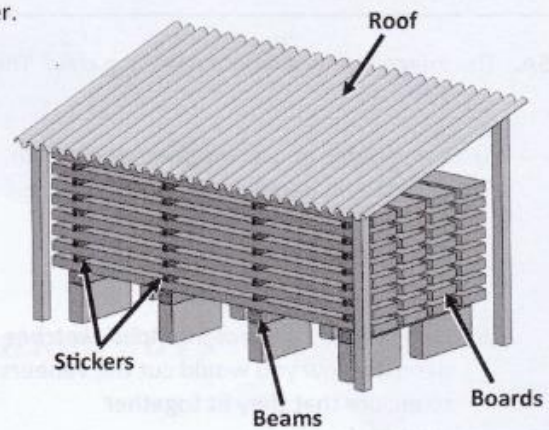
3

The diagram shows one method of seasoning timber.

(i) State **THREE** advantages that seasoned timber has over unseasoned timber.

(ii) What is the correct name for the seasoning method shown?

Explain with the aid of notes and *neat freehand sketches* what happens during this seasoning process, making particular reference to the parts labelled in the diagram.



(iii) Name **ONE** other method of seasoning timber.

Compare the two methods of seasoning under **EACH** of the following headings: **Moisture Content, Duration, Defects** and **Cost**.

(iv) The ends of the planks tend to split during the seasoning process.

Describe with the aid of notes and *neat freehand sketches*, **ONE** method of preventing this.



Best of luck to you all!

Hope you have a nice and safe summer!

MS R Power

WHAT TIME IS IT?!  
*Summertime!*

