

Module 1

Practical Woodwork - Material Properties & Uses

Knowledge & Understanding Assignments

Name - _____



2021



SECTION 1

1. Timber is usually classified as “hardwood” or “softwood” explain briefly what is meant by these terms.

(4)

2. List FOUR examples of hardwoods and FOUR examples of softwoods.

Hardwood

Softwood

1. _____
2. _____
3. _____
4. _____

1. _____
2. _____
3. _____
4. _____

(8)

3. Each of the articles on LIST A is most suitably constructed from one of the timbers on LIST B. Selecting a timber only once, pair each article with the appropriate timber giving a reason for your choice.

List A

List B

Reason For Choice

Marking gauge
 Hammer shaft
 Garden seat
 Coffee table
 Bread board
 Rabbit hutch
 Drawing board

Sycamore
 Teak
 Hickory
 Beech
 Red Pine
 Blockboard
 Mahogany

(14)

4. Why are softwoods in general cheaper to buy than hardwoods?

(2)

5. Which is the most economical way of converting timber?

(1)

6. What is the main objective of the process of seasoning?

(1)

7. Name two types of seasoning.

(2)

8. As a general rule, how long does it take to season planks naturally?

(1)

9. What should be the ideal moisture content of timber?

(1)

10. What is meant by the 'grain' of a piece of timber?

(1)

11. What is meant by (a) cupping (b) bowing (c) springing (d) winding

(4)

12. Explain the origin of knots and their disadvantages.

(1)

13. How is the tendency to warp and distort eliminated in plywood?

(1)

14. What is the name given to plywood when the number of piles exceed 3?

(1)

15. How is chipboard made?

(1)

16. Sketch 3 different defects which can occur in manufactured boards.

(3)

17. Metal fittings applied to oak should always be made from non ferrous metals like brass. Why?

(1)

18. What is a “veneer”?

(1)

19. Describe the different methods used in the production of veneer.

(2)

20. What does MDF stand for?

(1)

21. List some safety precautions that should be implemented when working with MDF.

(2)

22. What is the main cause of splits in timber?

(1)

TOTAL 54

END OF ASSIGNMENT

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