



1. Calculate the total cost of flooring for a room 4.2 m by 3.6 m, if the flooring cost £13.75 per m<sup>2</sup>.

Area of floor:
Cost:

2. Give **TWO** examples where a Dead shore would be used.

1.
2.

3. List the sequence of operations required, for the removal and replacement of timbers, when an attack of Dry Rot is discovered in a timber ground floor.


4. Sketch to illustrate **ONE** method of sound proofing a timber stud partition.

5. State **FOUR** of the current safety requirements with reference to **ONE** of the following woodworking machines :-

(i) Circular saw; (ii) Surface planer.


6. Figure 1 below shows a domestic straight flight of stairs. Name the elements and/or state the minimum sizes indicated.

a.	
b.	
c.	
d.	
e.	
f.	
g.	
h.	
i.	
j.	

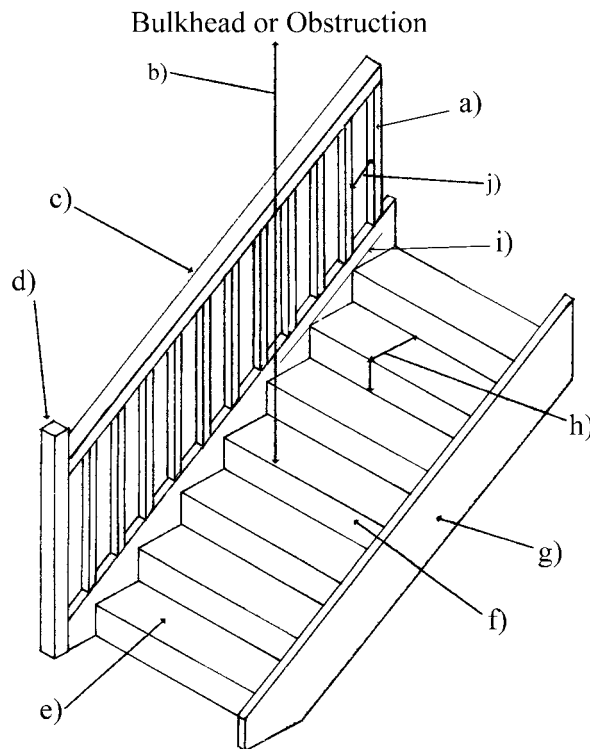


Fig. 1

7. (a) Describe the function of a flexible and non-flexible sealant.  
 (b) Give **TWO** examples for each.

(a) Function
Flexible.
Non Flexible.

(b) Examples
Flexible.
Non Flexible

8. Describe the correct usage of the following types of gauges :-

(i) Marking Gauge:
(ii) Cutting Gauge:
(iii) Mortice Gauge:

9. Timber is a "Hydroscopic" material.  
 (a) Describe what this term means.  
 (b) State a suitable moisture content for timbers used in the construction of a centrally heated building.

(a)

(b)
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10. Describe and illustrate **TWO** methods of seasoning timber, and state the advantage of using each method.


Method	Advantages

11. State **FIVE** safety requirements when using a mobile scaffolding.

1.
2.
3.
4.
5.

12. Using sketches where necessary, describe methods of storing on site, **TWO** of the following materials :-  
 (i) Plasterboard; (ii) 200 mm by 50 mm white pine flooring joists;  
 (iii) Wall units; (iv) Flush panel doors.


13. Illustrate and describe where **TWO** of the following types of hinge would be used :-  
 (i) Parliament hinge; (ii) Rising butt hinge; (iii) Flush hinge.

Parliament Hinge.
Rising Butt Hinge.
Flush/Hurle Hinge.

14. (a) Describe **TWO** methods of setting out a right angle on a building site.  
 (b) State **ONE** method of checking a spirit level for accuracy.

(a)

(b)

15. Sketch **TWO** types of proprietary fixings suitable for fixing a small light weight unit to a hollow stud partition.

16. Describe the "Empty Cell" method of treating timber with preservative.


17. (a) Illustrate the surface finish obtained from a Thicknessing planing machine.  
 (b) Explain how the machine can be adjusted to give a higher quality finish.

(b)

18. (a) Describe **FOUR** important safety requirements in the use of a cartridge operated fixing tool.  
 (b) State what action should be taken by the operator when there is a miss-fire.

(a) 1.
2.
3.
4.

(b)

19. (a) Explain with the aid of sketches **ONE** method of fixing a casement window frame into a brickwork opening.  
 (b) Sketch the position of the D.P.C. **at either** :-  
 (i) The concrete cill; **or** (ii) The brick jambs of the opening.

20. (a) Figure 2 represents the plan of the joist layout for a timber upper floor.  
 Name the **FIVE** components indicated.  
 (b) State **WHY**, when fixing herringbone strutting in place, a clearance gap is left at the top and bottom of the joist.

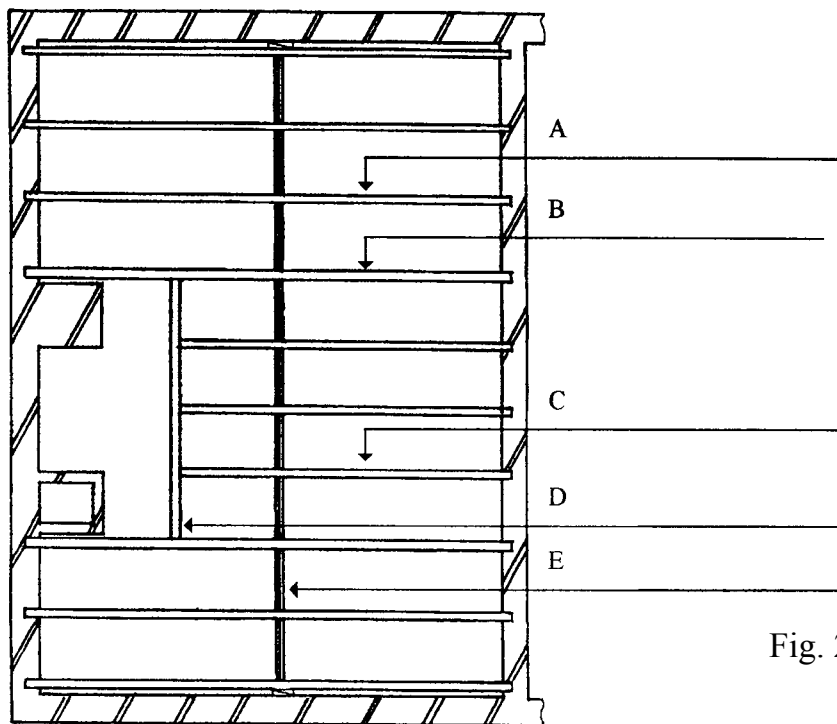


Fig. 2

(b)