

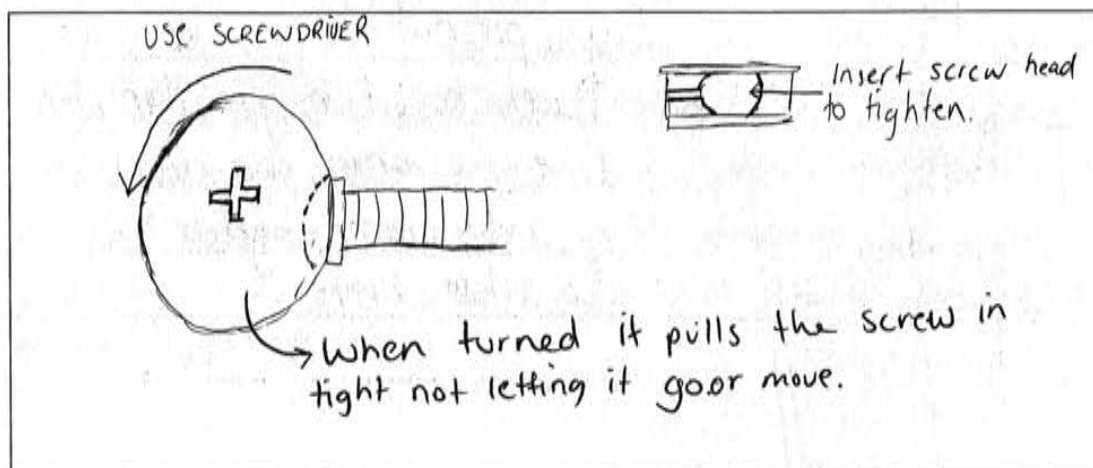
Questions 11–16 refer to the diagram of an entertainment unit below. The unit is to be manufactured as a 'flat pack'.



Question 11 (1 mark)

Sketch a knockdown fitting that could be used.

1



Question 12 (2 marks)

What are the advantages of producing the entertainment unit as a 'flat pack'?

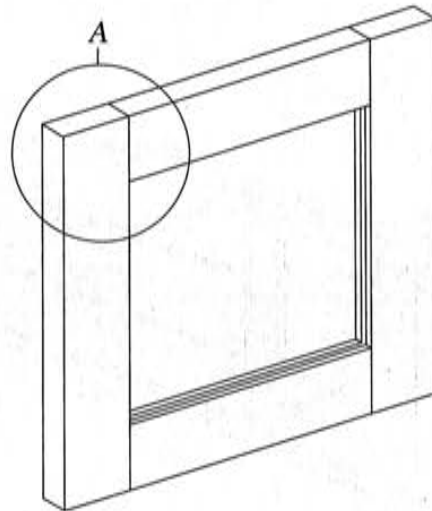
2

It is easier to store in a factory, easier to transport, there is also more room to store and you can fit more in transport, therefore getting moving more flat packs out of the factory at one time. This means more money for the company and better sale prices. It also saves money for the company.

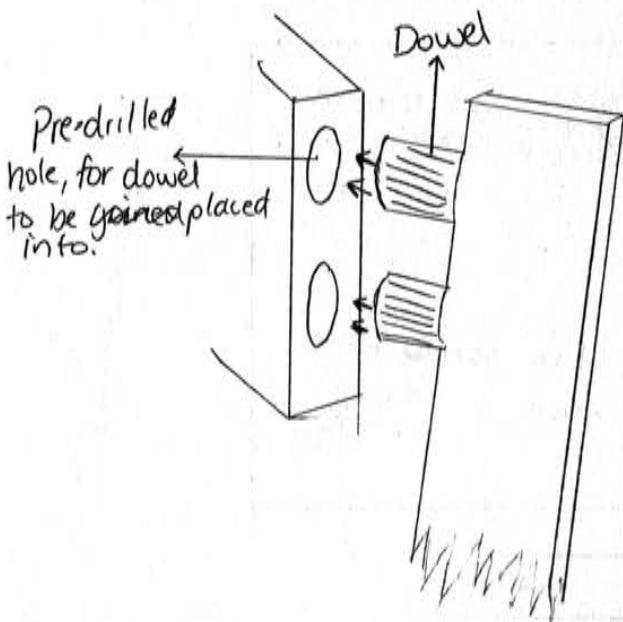
Question 13 (2 marks)

The details of a glass door frame from the entertainment unit are shown.

2



Name and describe, with the aid of sketches, a suitable framing joint that could be used in the area marked at A in the door frame.



Dowel joint.
you pre-drill the holes for Dowel to sit in, you then place Glue in the holes, place dowel in and clamp together for at least 24 hrs.

Question 14 (3 marks)

Describe the safety precautions that need to be considered when constructing and finishing cabinet furniture made from manufactured boards. 3

Because the board is made from small fibre you should wear a breathing apparatus, but due to being a factory PPE, Personal Protective equipment should be worn when working to stop eye injuries and hearing injuries. Must wear correct work boots, ~~steel~~ steel toe preferred to stop foot injury if something fell.

Question 15 (3 marks)

What are the advantages and disadvantages of using solid timber as opposed to manufactured board for the top of the entertainment unit? 3

A solid timber would add more effect and attraction to the ~~the~~ entertainment unit, you are able to apply stains to the top and would be very strong! The manufactured board would be just as strong and would be immensely cheaper than ~~by~~ buying a solid timber top. ~~You can't really choose your own colour of manufactured board, where with solid timber you can usually choose a colour of stain you wish to be applied to it.~~ You can't really choose your own colour of manufactured board, where with solid timber you can usually choose a colour of stain you wish to be applied to it.

Question 16 (4 marks)

Describe techniques used when making furniture from manufactured boards.

4

Most manufactured board companies
nowadays use CNC, Computer
Numerically Controlled equipment. It is all
done by machinery, & this lowers
pay rates, & lowers employment rates
and saves more time as the business
is eligible to work around the clock
& twenty-four seven. It also allows the
company to allocate staff to supervise machinery
if it needs to be fixed. Computer Numerically
Controlled saws make cutting easier and
a point to point router makes carving and
sawing easier. This system is used when
making furniture also, it is designed to
pack, paint and place the packs in its
Storage area.