

TIME 1 hour

To be taken together with Paper 1 in one session of 2 hours 45 minutes.

INSTRUCTIONS TO CANDIDATES

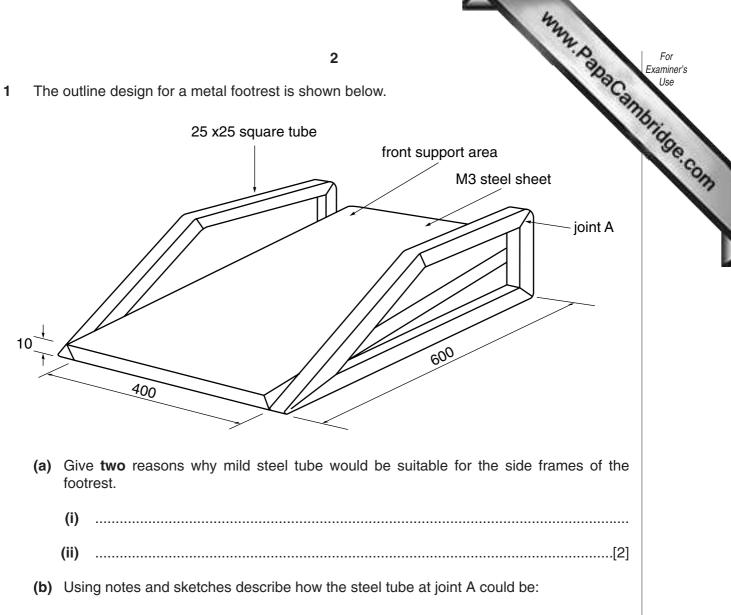
Write your name, Centre number and candidate number in the spaces at the top of this page. Answer any **two** questions.

Write your answers in the spaces provided on the question paper.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets [] at the end of each question or part question.

| FOR EXAMINER'S USE | | |
|--------------------|--|--|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| TOTAL | | |



(i) cleaned ready for joining;

[4]

(ii) made ready for brazing;

(iii) brazed.

(c) The foot support area is to be made from mild steel sheet which has been folded to shape.

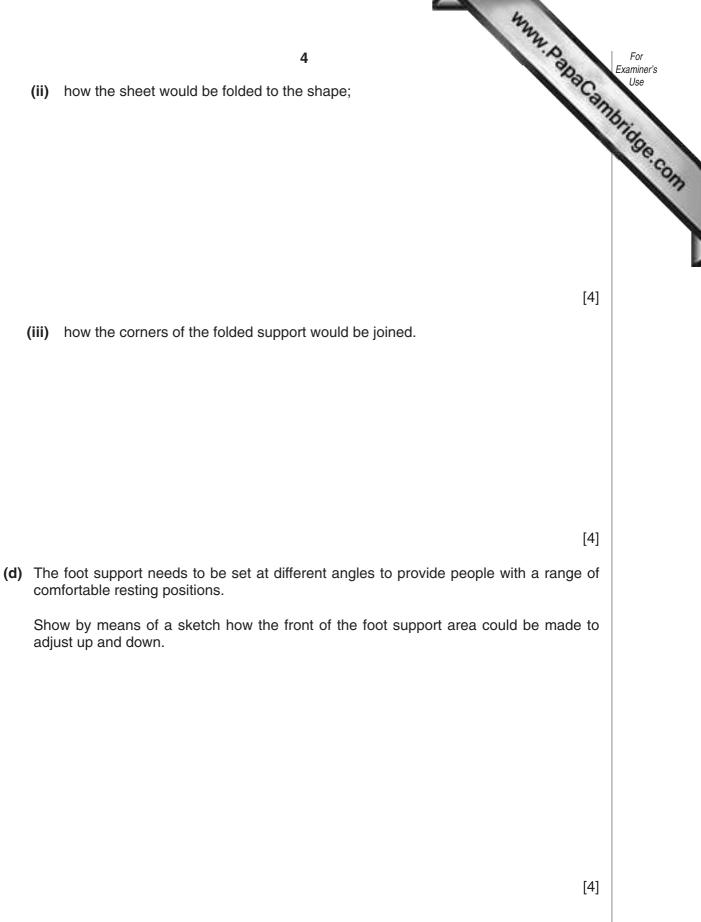
Using notes and sketches show:

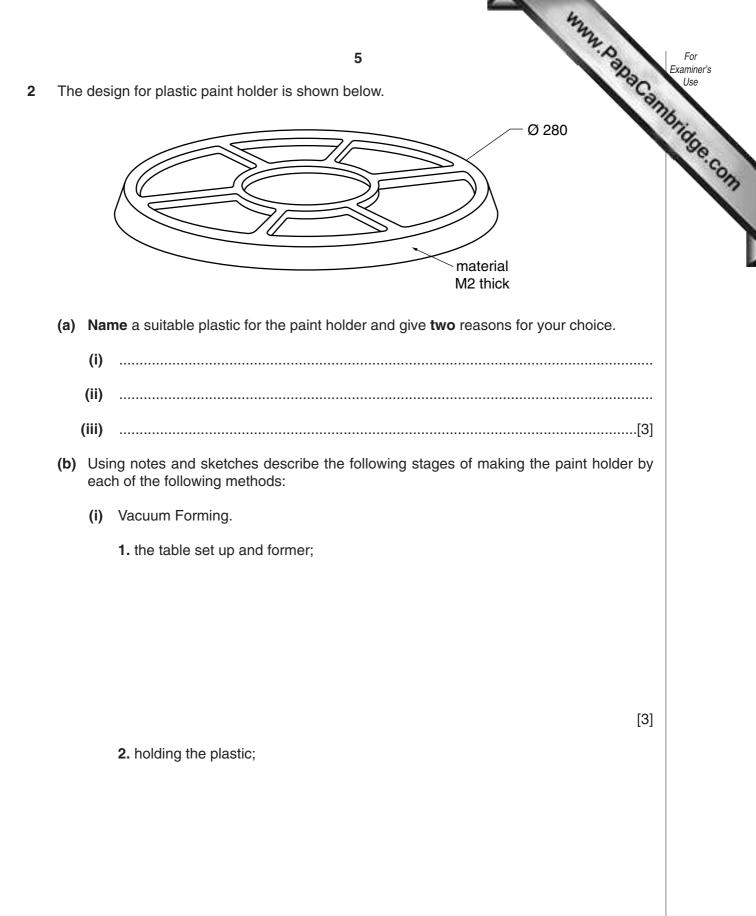
(i) the development of the sheet metal prior to bending;

[4]

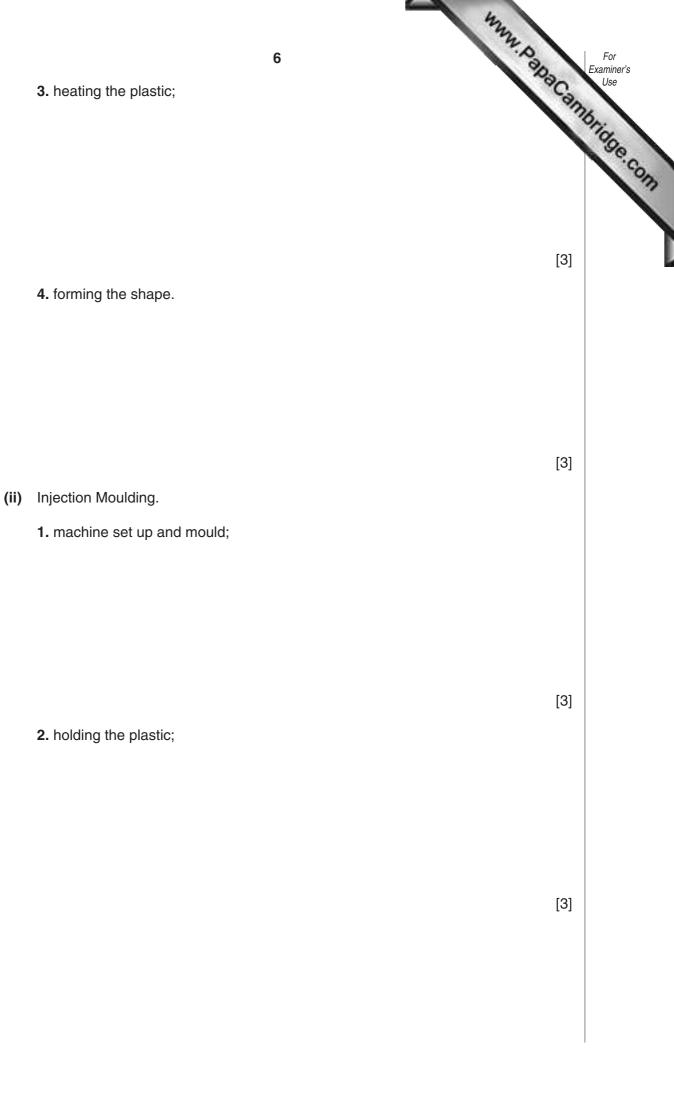
[4]

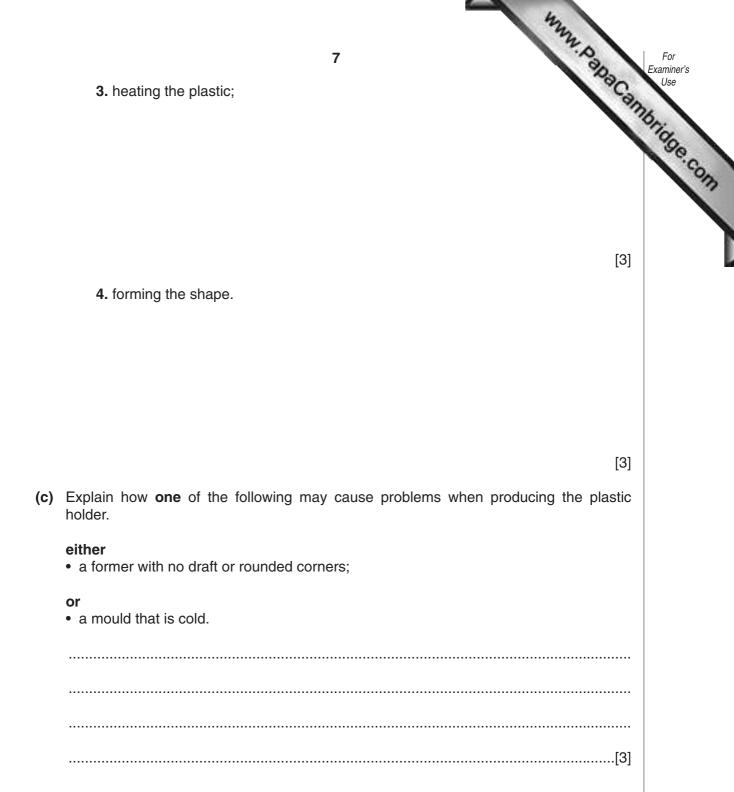
[4]



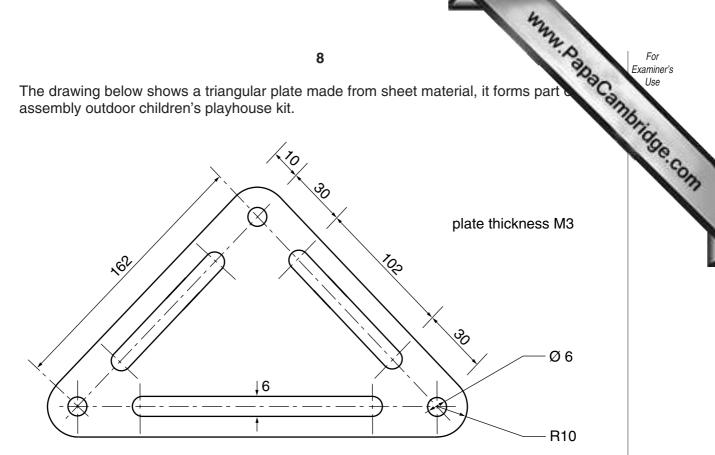


[3]





3 The drawing below shows a triangular plate made from sheet material, it forms part assembly outdoor children's playhouse kit.



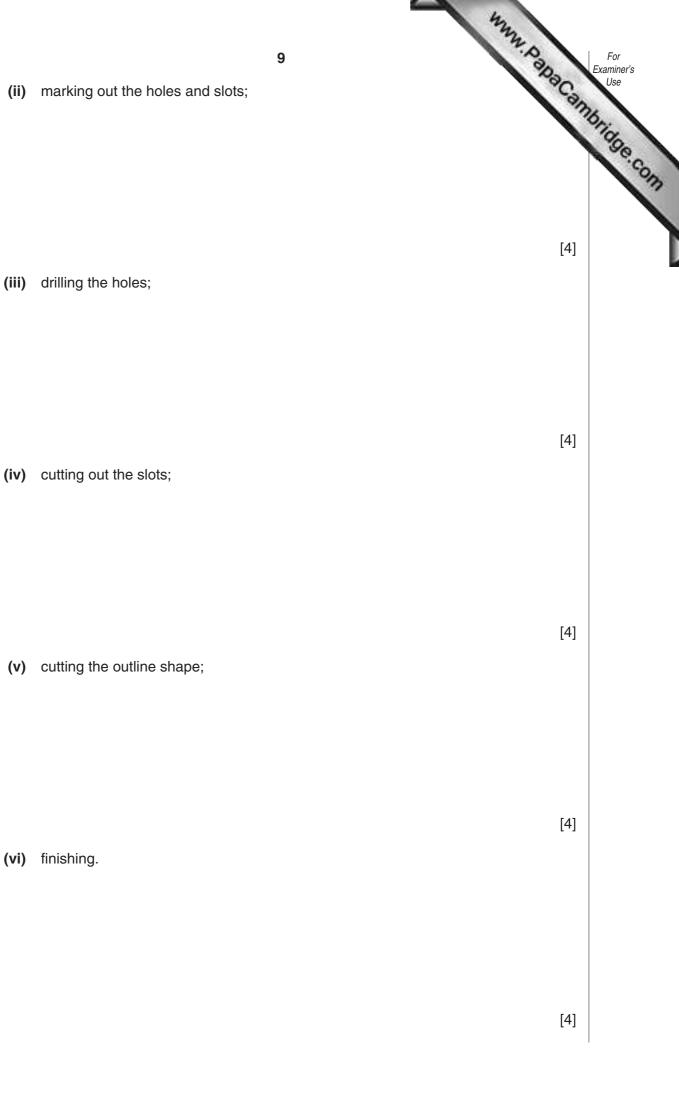
(a) Compare the following sheet materials which could be used for the plate and state one advantage and one disadvantage with each.

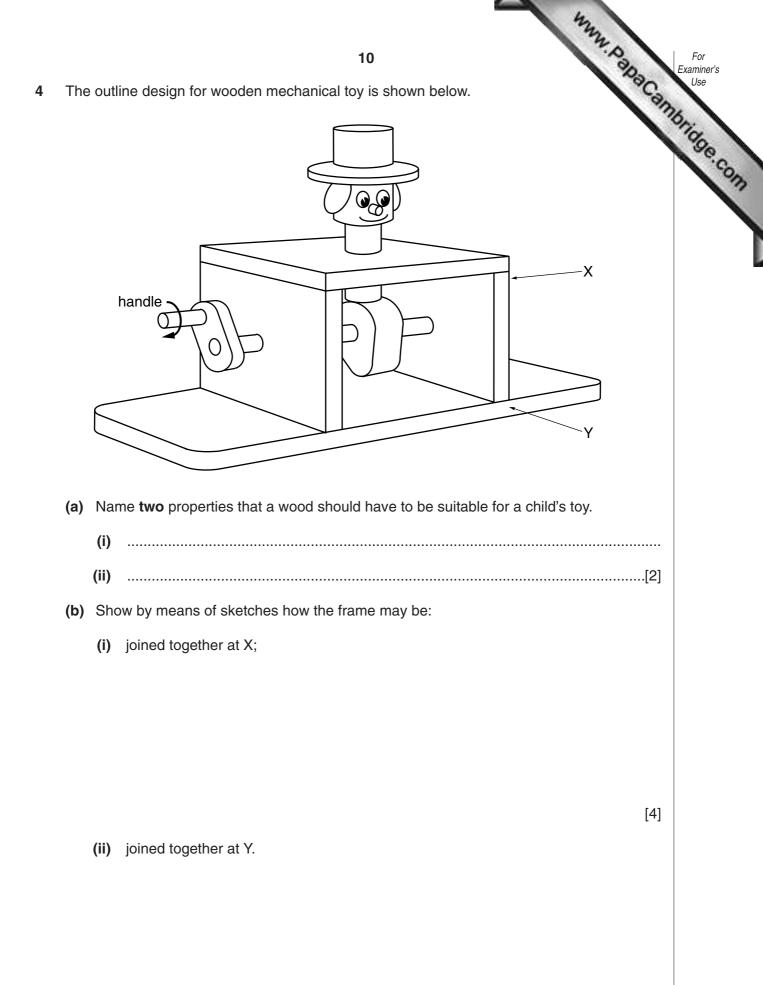
| Material | Advantage | Disadvantage |
|----------|-----------|--------------|
| Plywood | | |
| | | |
| Nylon | | |
| | | |
| Brass | | |
| | | |

[6]

- (b) Choose one of the materials named in (a) and using notes and sketches describe each of the following stages of making the plate. Name all tools and equipment used.
 - (i) marking out the outline shape;

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www.papacambridge.com (c) Describe with aid of notes and sketches how one of the joints given in answer could be made.

Turn over for parts (d) and (e)

