

4.7.2 Drawing and Design Paper 2 (449/2)

DESIGN PROBLEM (40 marks)

When out for camping activities, convenient sleeping facilities may prove to be a challenge. Design a camping bed considering the following:

1. It should be collapsible and convenient to carry along.
2. It should have standard length and convenient height.
3. It should be stable when in use.

REQUIREMENTS

- (a) Make rough sketches of **two** possible designs. (6 marks)
- (b) Select **one** of the designs in (a) above and make a refined labelled pictorial drawing. (12 marks)
- (c) Make pictorial sketches showing the working mechanisms for:
 - (i) consideration 1 above (12 marks)
 - (ii) consideration 3 above (4 marks)
- (d) Name **two** materials used in the design and state where each is used. (4 marks)
- (e) State **two** methods of joining applicable in the design. (2 marks)