

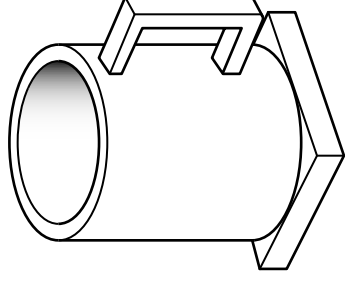
Section A

Answer **all** questions in this section.

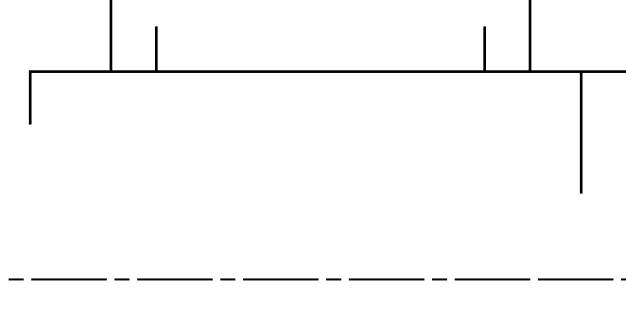
A sketch of a coffee mug with a square base is shown on the right.

A1 (a) Complete the scale 1 : 2 orthographic views of the coffee mug by:

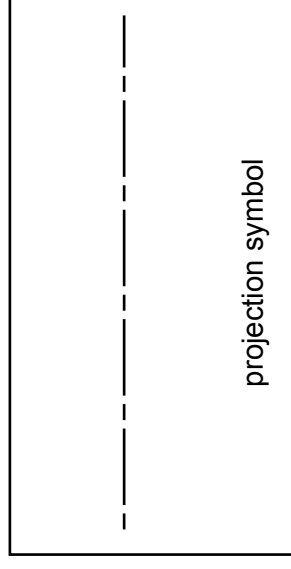
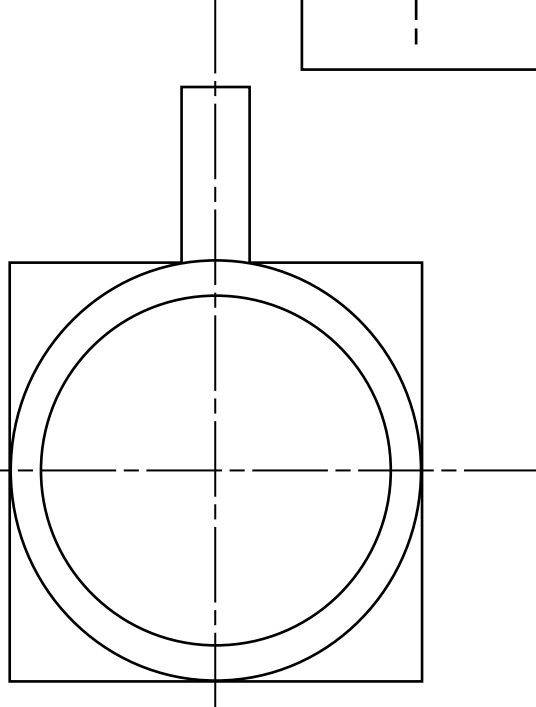
- (i) adding the missing lines to the side view; [5]
- (ii) adding one dimension to the plan; [2]
- (iii) adding the projection symbol in the given box. [3]



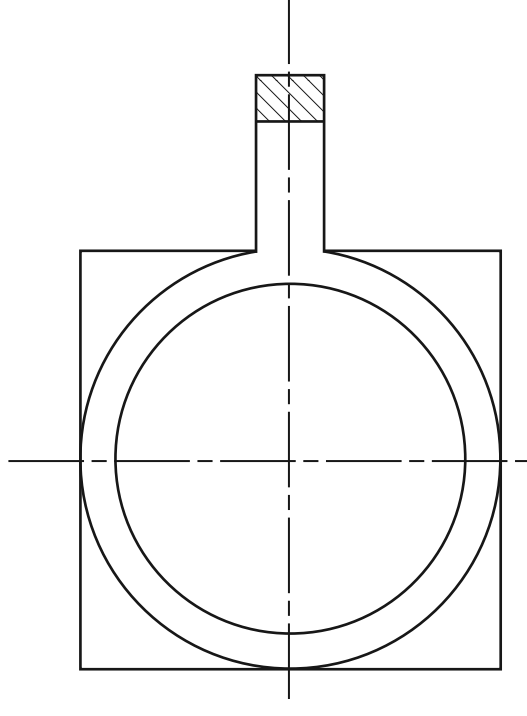
side view



plan



A2 (a) Complete the sectional plan view of the coffee mug below.

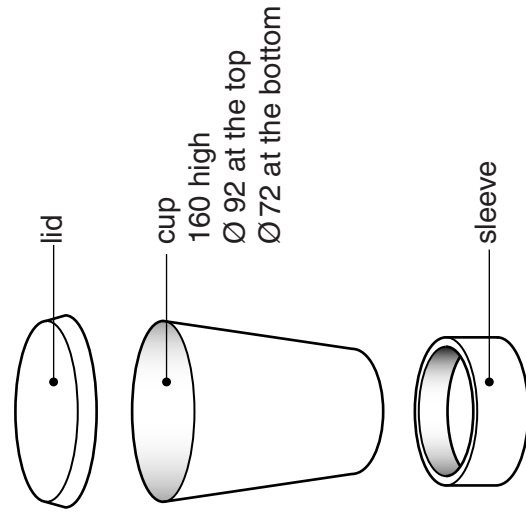


(b) A design is printed on the coffee mug in thermochromic ink. Describe how the thermochromic ink adds interest to the coffee mug.

[2]

[2].

A3 An exploded view of a take away coffee cup is shown below.



- (a)** In the space below draw a scale 1 : 2 planometric view of the cup.
Do not include the lid or sleeve.

[4]

- (b)** The lid of the coffee cup is vacuum formed. Describe **three** main steps in the process of vacuum forming.

[illegible]

[3].....

- (c) The sleeve is made from corrugated card.

- (i) In the space below draw a sectional view of corrugated card.

[2]

- (ii) Explain why corrugated card is used for the sleeve.

[2]