



Founded 1858

British Horological Institute

## Certificate in Clock and Watch Servicing, Unit 3 Technician Grade, Technical Drawing 15<sup>th</sup> November 2006

Time allowed :- 3 HOURS

**Important notes - please read carefully**

### *Longcase Lifter Assembly*

The drawing shows, in an “exploded” view, the components of a Longcase Lifter Assembly together with a Post; the parts are to be assembled in your drawing. Some details are also shown to an enlarged scale for clarity. The Warning Detent is to be drawn so that the long straight portion is horizontal. The components that are riveted together should be shown with the rivet finished flush with the adjacent surface.

Any dimensions or details not present are to be determined by the candidate.

### Instructions:-

- Draw in orthographic projection to BS 308 (as detailed in PP7308), to a scale three times full size (candidates using CAD are to use a scale of 1.5 times full size), three views of the ‘Longcase Lifter Assembly’ as shown in the accompanying pictorial drawing.
  1. a front elevation as viewed in the direction of the arrow A
  2. a side elevation as viewed in the direction of the arrow B
  3. a sectional plan, as viewed in the direction of the arrow C; the section plane is to pass horizontally through the centre of the Post. You are required to show hidden detail in the portions of the drawing not actually sectioned.
- Add a title block, five dimensions to front elevation and five dimensions to the side elevation.