



British Horological

## Certificate in the Repair, Restoration and Conservation of Clocks / Watches

### Unit 12 : Final Grade Part II : Practical Watchmaking Techniques

29<sup>th</sup> May 2007

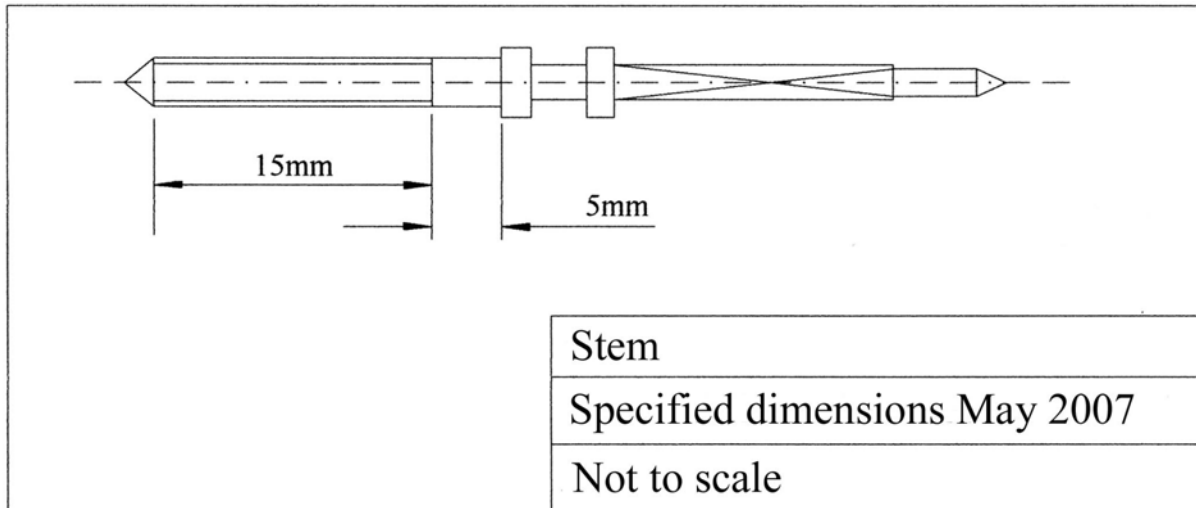
#### **Important notes - please read carefully**

1. You will be known to your Examiners by your examination number only, your work must be clearly identified with your Examination Number by means of a tie on label securely fastened to your work.  
In previous years some unidentified work has been received, please ensure that your time and effort are not wasted in this way.
2. You are provided with
  - a) a watch movement, the crown and stem are missing, the index lever, boot and curb pin are to be replaced.
  - b) a platform escapement

You are required to:-

- a) Watch movement:-
  - i) make and fit a new stem, use the crown which is provided
  - ii) make and fit a replacement index lever complete with boot and curb pin
  - iii) service the movement
- b) Platform escapement:-
  - i) make and fit a new balance staff to replace the existing staff
  - ii) service the platform escapement

The items that you make should be appropriate in design and finished to a high standard. A few dimensions for one of the components are specified; they are slight variations to sizes which would be present on any manufacturer's replacement parts. It is important that you adhere closely to these dimensions to demonstrate that the stem submitted for assessment has been made specifically for the examination. Two dimensions are specified for the stem. These are clearly shown in the drawing below N.B. The balance staff and index lever which you remove must be returned with your finished work.



3. Each item is identified by a number and any damage prior to this examination will have been noted.
4. The package containing your finished work must be clearly marked "Practical Examination" with your Examination Number on the outside of the package. It should be addressed:-  
The Examinations Secretary  
British Horological Institute  
Upton Hall  
Upton  
Newark  
Notts,  
NG23 5TE  
United Kingdom.

The date of arrival of the package will be recorded. The package will be opened by the Examinations Secretary and must **only** contain the completed movement with the old index lever and the old balance staff, your declaration and the postcard which enables the Institute to inform you when the items arrived. The declaration will be retained at Upton Hall and the items forwarded to the Examiner for marking.

5. This watch exercise, whether or not completely finished, is to arrive at the Institute on or before Thursday 21<sup>st</sup> June 2007; candidates, whose work is received late will be penalised, dependent on the degree of lateness. (1 - 2 days: 5%; 3 - 5 days: 10%; over 5 days it will not be accepted for marking). In order for you to know when your work has been received please ensure that the enclosed card is completed and sent with the serviced items. The card will be returned to you giving the date of receipt at Upton Hall. In case of loss or delay in transit, it is advisable to request evidence of posting from the Post Office. In the event of any delay arising between the date of despatch and arrival at Upton Hall please inform the Institute and include evidence of posting.
6. You must complete and sign the declaration and return it with your work. All the components are to be produced by the candidate. It is expected that the completed test piece will show the candidate's awareness of "good practice". E.g. fits and clearances.

7. An Examiner may contact you, either during or after the Examination, to enquire about the various processes you have undertaken when completing the work.
8. Examiners consider the operation of the components as well as the quality of the workmanship and the finish you have achieved. This “sampling” process cannot consider every point of construction. If it is evident to the Examiner that a candidate’s work includes a **serious error** in the accuracy, workmanship or finish of an aspect **not** being routinely checked five marks will be deducted from the total score.  
E.g. unsuitable materials  
          components not hardened
9. Marks are allocated to the various aspects of the examination :-
 

Balance staff:	30%
Stem:	25%
Boot and curb pin	25%
Index Lever and Servicing:	20%
10. No electrolytic treatment, such as the plating of components, is permitted.
11. Your test piece will be retained by the Institute for a number of years.

**Candidate's Declaration:-**

**I declare that the whole of the work in producing the parts for this watch and servicing the watch is my own work, not aided or advised by any other person. Moreover, my signature is given in the knowledge that if it is found, at any time, that a false declaration has been made, any “Pass” or “Pass with Merit” achieved in this and other Horology Examinations may become null and void.**

Candidate’s Name ..... Examination Number .....

Signed .....

Date.....

Signature of College Lecturer.....

Date.....

**Make sure that your examination number is on the package and your work.**