

## VOLUNTARY RETIREMENT.

77. Each candidate, on first presenting himself, should be taken through the whole of the examination in order that his ability in each section may be ascertained and recorded. Voluntary retirement from any examination should be discouraged.

## ORDER OF EXAMINATIONS.

78. Papers on practical mathematics, engineering knowledge, and drawing are given at the examinations for third-class and second- and first-class ordinary and motor certificates, and candidates are also questioned verbally on their practical knowledge.

Mathematics and drawing are omitted in the case of examination for the endorsement of a certificate for converse service in the same grade.

The examinations will, as a rule, be conducted in accordance with the following schedule :—

Time.	First Class.	Second Class.	Third Class.
First day—			
Morning session	Practical mathematics, first paper	Practical mathematics, first paper	Practical mathematics.
Afternoon session	Practical mathematics, second paper	Practical mathematics, second paper	Drawing.
Second day—			
Morning session	Engineering knowledge, first paper	Drawing .. ..	Engineering knowledge.
Afternoon session	Engineering knowledge, second paper	Drawing .. ..	Verbals.
Third day—			
Morning session	Drawing .. ..	Engineering knowledge, first paper	
Afternoon session	Drawing .. ..	Engineering knowledge, second paper	
Fourth day ..	Verbals .. ..	Verbals.	

## VALUATION OF CANDIDATES' WORK.

79. The value of the work done by candidates in each section of the first-, second-, and third-class examinations will be assessed in accordance with the following scale :—

- Marks 0-49 = Weak, denoted by symbol W.  
 „ 50-59 = Consider, denoted by symbol C.  
 „ 60-74 = Good, denoted by symbol G.  
 „ 75-100 = Superior, denoted by symbol S.

In order to pass, the average value of a candidate's work must be "Good," but his work in the verbal division of the examination must be "Good" or "Superior."

A "Consider" in either the practical mathematics, drawing, or engineering knowledge paper may be counterbalanced by a "Superior" in any of the other sections.

Two "Considers" or one "Weak" will entail failure.

## VERBAL EXAMINATION.

80. The practical rather than the theoretical knowledge of the candidate should be tested in this section of the examination, and no candidate should be failed in the verbal examination without having been closely questioned on the points on which failure takes place.

The verbal examination should comprise questions on the management of the main engines, boilers, and auxiliary machinery at sea—the duties of the supervising engineer, the periodical examinations of the working-parts, and the overhaul and adjustment of the machinery in port.

As candidates must be able to deal satisfactorily with breakdowns and defects in the machinery, it is considered of great importance that they should have an extensive knowledge of the particulars of actual mishaps which have occurred at sea, and be able to explain how these might have been prevented, and how they were remedied.

A candidate who has had no personal experience of any breakdowns or defects, or who is unable to describe machinery failures that have occurred in the experience of others, should be closely questioned as to his knowledge of engine and boiler construction and repair.