

PART II.—*Competitive.*

1. Drawings and Design of Civil Engineering and Architectural Works.
2. Details of Construction in Foundations, Masonry, Brickwork, Carpentry, Ironwork, Joinery, Plumbers' and Sanitary Work.
3. Rudimentary Calculations of Strength of Materials of Construction.
4. Measurement of Quantities in Building Works and Estimates of Cost.
5. Specifications for Building Works.
6. Practical Geometry.
7. Algebra, including Quadratic Equations.
8. Rudimentary Mechanics.
9. Use of Surveying Instruments.
10. Any one Modern Language.

IV. Candidates must pass to the satisfaction of the Commissioners in the subjects numbered 1 to 4. Candidates for the Office of Works must also pass in the subject numbered 5.

V. A fee of £1 will be required from each Candidate attending the preliminary examination, and a further fee of £2 from each Candidate who may be admitted to the competitive part.

VI. Application for permission to attend an examination must be made at such times and in such manner as the Commissioners may appoint.

The Civil Service Commissioners further give notice, that an Open Competitive Examination for situations as Draughtsman in the Department of the Director of Engineering and Architectural Works in the Admiralty, at the Outports, and Second Assistant to Second Class Surveyors in the Office of Her Majesty's Works, &c., will be held in London, under the above Regulations, on Tuesday, the 29th August, 1882, and following days.

The number of vacancies to be filled up will be the number existing at the time of the examination. The number at present existing is six, viz.:—Four in the Admiralty at the Outports, and two in the Department of Her Majesty's Works, &c.

No person will be admitted to the Examination from whom the Secretary of the Civil Service Commission has not received, on or before the 17th August, an "application" in the Candidate's own handwriting, on a prescribed form, which may be obtained from the Secretary at once.

NOTICE TO MARINERS.

(No. 131.)—MEDITERRANEAN.—ADRIATIC.

GULF OF QUARNERO—MELADA ISLAND.

(1.) *Leading Light at Port Lucina.*

THE Austrian Government has given notice, dated 5th June, 1882, that a leading light is now exhibited at Port Lucina (di Melada), indicating the channel into Berguglie Bay, between Bonaster Point and Bacili Islets:—

The light is a fixed white light, visible through an arc of 7°, or between the bearings of N. 60° E. (this bearing leads about 1¼ cables north-west of Bacili outer Islet) and N. 67° E. (leading one cable south-east of Bonaster Point); it is elevated 29 feet above high water (16 above the ground), and should be visible in clear weather from a distance of eight miles.

The illuminating apparatus is dioptric, or by lenses.

The light is shown from the only window looking westward, in the solitary house situated at the south-east part of the port, 31 yards from the shore, the side of the house is painted white.

Position approximate, lat. 44° 12' 45" N., long. 14° 52' 30" E.

NOTE.—This light in sight leads clear of Bonaster Point and Bacili Islets; but leads over Bonaster Rock (depth 3 fathoms). Berguglie Bay is a place of refuge for vessels of light draught only.

COAST OF DALMATIA.

(2.) *Port Spalato—Particulars of Mole Head Light.*

Also, with reference to Notice to Mariners, No. 9 (2), of 7th January, 1882, on the exhibition of a new light from an iron tower at the extremity of the mole, Port Spalato:—

Further notice has been given, dated 5th June, 1882, that the light (fixed and flashing) is elevated 34 feet above high water, and is visible through an arc of 328°, or between the bearings of N. 65½° W. and S. 82½° W., this arc is broken by a sector of red light shown towards San Stefano Point, between the bearings of N. 79½° E. and S. 62½° E.

[The bearings are magnetic. Variation, Port Lucina 10°, Port Spalato 9½°, Westerly in 1882.]

By command of their Lordships,

Fredk. J. Evans, Hydrographer.

Hydrographic Office, Admiralty, London,
7th July, 1882.

This Notice affects the following Admiralty Charts:—Adriatic, No. 1440; Cape Promontore to Grossa Island, No. 2711 (1 only); Ports in Gulf of Quarnero, No. 1561 (1 only); Zirona Channel to Curzola, No. 2712 (2 only); Ports in Dalmatia, No. 1612 (2 only). Also, Admiralty List of Lights in the Mediterranean, 1882, page 44, No. 511; and Mediterranean Pilot, Vol. III, 1880, pages 147, 148, 184.

NOTICE TO MARINERS.

(No. 132.)—FRANCE—WEST COAST.

Intended Electric Light at Baleines, Ile De Ré, and present Exhibition of Temporary Light.

THE French Government has given notice, dated 16th June, 1882, that in the course of the present year (probably October), an electric light will be exhibited from the light tower at Baleines, on the north-west extreme of Ile de Ré:—

The light will be a white flashing light, showing a succession of groups of four white flashes, the interval between two successive groups being three times as long as that between successive flashes of the same group.

Further notice will be given of the exact date when this new light will be exhibited.

The works in connection with this electric light would commence about the end of June, when the present light would be discontinued, and a temporary light of the same character (revolving every thirty seconds) be exhibited from the Old Baleines Lighthouse, situated 90 yards N.W. ¾ N. from the lighthouse now used.

This temporary light will be elevated 92 feet above high water, and should be visible in clear weather from a distance of 16 miles; in ordinary weather the eclipses will not appear total when within a distance of 8 miles from it.

This light will be visible from all directions, except over an arc of 62°, between the bearings of N. 15° W. and N. 77° W.

[The bearings are magnetic. Variation 18° Westerly in 1882.]

By command of their Lordships,

Fredk. J. Evans, Hydrographer.

Hydrographic Office, Admiralty, London,
7th July, 1882.

This Notice affects the following Admiralty Charts:—British Islands to Mediterranean Sea,