

(6.) *Field Astronomy, Geodesy, &c.*

Determination of latitude, azimuth and time; reduction of star places; use of ephemeris; elementary geodesy, including spherical excess and convergence of meridians; declination of the magnetic needle.

(7.) *Drawing.*

General plan-drawing, compilation of plans; drawing of sections and contours; projection of maps and charts.

(8.) *Miscellaneous.*

Elementary physics, elementary geology, and elementary forestry. (For definition of geology and physics see footnote.)

(9.) *Practical and viva voce Examinations.*

Practical astronomy and levelling; use and adjustment of surveying-instruments; *viva voce* examination in methods of field practice and in knowledge of the laws relating to surveys and of the Survey Regulations.

Exemptions.

15. A candidate producing satisfactory evidence of having complied with Regulation 6 or 7 may be granted exemption from sitting for such subjects as the Board, after due consideration of his certificates, may determine, and he will thereupon be credited with 60 per cent. of the maximum marks allotted to each of the exempted subjects.

Allotment of Marks.

16. (1.) For the purposes of Part II of the examination, papers will be set and marks allotted as follows:—

Title of Paper.	Maximum Number of Marks allotted.
1. Preparation of field-notes	70
2. Elementary mathematics	75
3. Levelling and earthworks	90
4. Land surveying, computations A and B	130
5. Plotting and plan-drawing	45
6. Field astronomy and geodesy	105
7. Physics (25), geology (25), and forestry (25)	75
8. Land surveying and design	35
Total	625

Principles and practice of land surveying comprise the subjects Nos. 1, 5, and 8.

(2.) There shall also be a practical examination, for which marks will be allotted as follows:—

Subject.	Maximum Number of Marks allotted.
9. Field practice (including Act and regulations)	100
10. Use and adjustment of instruments	75
11. Practical astronomy	60
12. Practical levelling	25
Total	260

17. A candidate shall not be deemed to have passed the examination unless he has received at least 50 per cent. of the maximum number of marks in (a) computations, (b) principles and practice of surveying, and (c) field astronomy and geodesy. A candidate who has received such percentage of marks shall be deemed to have passed if he has obtained not less than 60 per cent. of the total marks obtainable at the examination.

NOTE.—The scope of the examination in elementary physics will be that covered by "Stewart's Elementary Physics," fourth edition, omitting Chapters 8, 10, and 11; and the scope of the examination in elementary geology will be that covered by "Geikie's Classbook of Geology," fourth edition.