

natural cover, gun-pits, gun-epaulments (the placing of guns in redoubts is considered under that head.)

11. To cover Limbers.—Requirements and how generally fulfilled. Description of the various works used, namely: Adaptation of natural cover. Limber pits.

12. *Blindages*.—Specially considered.

13. *Hasty Intrenchments*.—Nature and object.

14. *Flanking Works*.—Object. Special requirements and how generally fulfilled. Description of the various special works, suitable for flanking, namely: Tambours, caponiers, &c.

15. *Tactical Pivots*.—Object and special requirements, various kinds, namely:

16. Field redoubts. Trace, profile, details and execution. Garrison, &c.

17. Defensible knolls. Trace, profile, &c.

18. Defensible houses and villages.

19. Defensible woods.

20. *Making and Destroying Communications in a defensible position*—Object and statement of work to be done.

Plates.—The following is a list of the plates to be drawn:—

- I. Various sections of shelter trenches.
- II. Do. do. do. do.
- III. Profiles of Field redoubt.
- IV. Plan of Field redoubt.
- V. Gun-bank with section.
- VI. Defensible Knoll.
- VII. Defensible House.
- VIII. Defensible Village.
- IX. Defensible Wood.

Exercises.—On the above subjects principally numerical examples.

Subjects for each examination.

December—Sections 1 to 9 inclusive.

March—Sections 10 to 16 inclusive.

June—The whole subject.

Marks:

For work during term.....	400
For examinations,—	
December	150
March	150
June	300
	1,000
Total.....	1,000

3RD CLASS.

OBLIGATORY.

PERMANENT FORTIFICATION.

A. INTRODUCTORY:—

Definition of permanent fortification.

Principles and object the same as in field fortification, and unchanging.

Details subject to change with the arms in use.

Situations in which permanent works are required.

Classification of fortresses with reference to the duties they perform.

Application of fortresses to the defence of a country.

General strategical considerations; method of frontier lines, its failure illustrated by examples.