

§ X. LIST OF TEXT-BOOKS AND BOOKS RECOMMENDED FOR REFERENCE.

COURSE OF CIVIL AND MECHANICAL ENGINEERING.

1.—Text-books, required for the Classes.

First Year, Surveying and Levelling.—Castle's "Elementary Text-Book," and Baker's "Rudimentary Treatise on Land and Engineering Surveying."
Drawing.—Davidson's "Linear Drawing and Projection," (Cassell's Technical Manuals.)

Second Year, Construction.—Rankine's "Civil Engineering."—Davidson's "Elements of Building Construction."

Drawing.—Davidson's "Isometrical and Perspective Projection."

Third Year, Applied Mechanics.—Twisden's "Practical Mechanics."—Goodeve's "Elements of Mechanism."

Drawing.—Davidson's "Practical Perspective" and "Drawing for Machinists."

2. Books of Reference, recommended for reference, but not necessary for the Classes.

Railway Construction.—† Haskoll's "Assistant Engineer's Railway Guide,"—Dempsey's "Practical Railway Engineer."

Hydraulics.—Stevenson's "Harbours," Rennie's Harbours, Stevenson's "Skerryvore Lighthouse," Humber "On the water supply of Cities and Towns,"—Hughes' "Water supply of Cities and Towns," Burnell's "Hydraulic engineering," Moncrief "On Irrigation," Neville's "Hydraulic Tables," † Haskoll's "Engineering Field-work."

Girders, Bridges and Roofs.—* Latham's "Girder Bridges,"—Unwin's "Iron Bridges and Roofs,"—Shield's "Strains on Iron-work Structures," Maynard's "Bridges and Roofs,"—Campin's "Roofs,"—† Humber's "Practical Treatise on cast and wrought Iron Bridges."

Strength of Materials.—Barlow's "Treatise on the strength of Materials," (Humber) † Tredgold and Hodgkinson "On the strength of cast Iron."

Specifications and Estimates.—† Donaldson's "Hand-book of Specifications,"—Haskoll's "Civil Engineer's Estimate and Price Book,"—Graham's "Manual on Earthwork,"—Bidder's "Tables on Earthwork."

Surveying and Levelling.—† Butler Williams' "Practical Geodesy,"—* Castle's "Engineering Field-work,"—† Gillespie's "Land Surveying,"—† Simm's "Principles and Practice of Levelling,"—† Bruff's "Engineering Field-work."

* Expensive or out of Print.

† In the College Library.