

The subjects will be considered under the following heads or chapters :—

### PART I.

1. On the nature and arrangement of the British strata and their fossil contents.

2. Tabular chronological arrangement of the strata.

3. On the nature of Fossils or Organic remains.

4. On mineralized Vegetable remains, and the mode of conducting their investigation.

5. On Peat, Lignite, and Coal.

6. Fossil Botany.

*a.* Remains of the Cellular and Cryptogamic plants.

*b.* . . . . . Vascular Cryptogamia.

*c.* . . . . . Filicites or Ferns.

*d.* . . . . . Sigillariæ and Stigmariaæ.

*e.* . . . . . Lepidodendra.

*f.* . . . . . Cycadeous plants.

*g.* . . . . . Coniferæ.

*h.* . . . . . Palm tribe.

*i.* . . . . . Liliaceous plants.

*k.* . . . . . Flowering dicotyledons.

*l.* Retrospect, and list of localities of Vegetable Fossils.