

座號：

(二)不必抄題，作答時請將試題題號及答案依照順序寫在試卷上，於本試題上作答者，不予計分。

Diagram of a horizontal beam ABCD of total length 7 m, fixed at A and free at D. The beam has a rectangular cross-section with a height of 4 cm. A horizontal force Q is applied at B, 2 m from A. A horizontal force P is applied at D, 7 m from A. The distance between B and C is 2 m, and between C and D is 3 m.

(請接背面)

類 科：土木工程、建築工程

科 目：工程力學概要

四、如圖所示，試求固定支承 E 和光滑支承 A 處之反力。圖中 B 點為鉸接，D 點為一滑槽 (smooth slot)。(25 分)

