

國立臺北科技大學九十七學年第二學期

能源與冷凍空調工程研究所

博士班資格考試

自動控制（能源/冷凍組）試題

填學生證號碼

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There are **【2】** pages. This is page 1.

Attentions :

1. There are **【5】** problems on this exam. Each problem gets **【20】** points.
2. Please answer the problems by order. Don't need to copy the problems on the answer sheet. Write all your answers on the answer sheet.
3. Do not write your name on the answer sheet.
4. () open book (X) close book

1. Find the transfer function $\frac{y_7}{y_1}$ of the signal-flow graph. (20%)

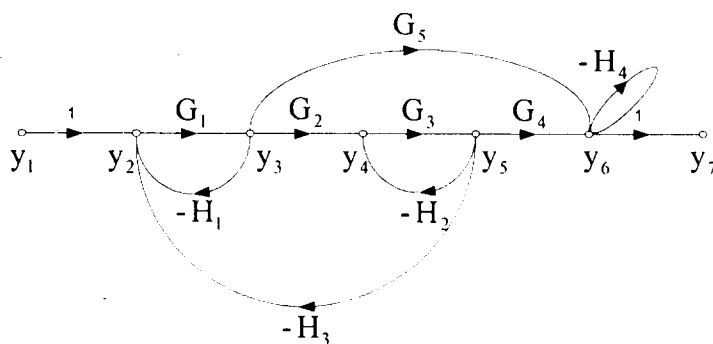


Figure 1