(背面仍有題目,請繼續作答)

165	

## 國立成功大學102學年度碩士班招生考試試題

系所組別: 生物醫學工程學系乙組

考試科目: 控制工程

编號:

※考生請注意:本試題不可使用計算機

3. (15%)Three different systems can be described as (a) s (b)  $\frac{1}{s}$  (c)  $e^{-s}$ .

The signal f(t) is described as following :



If the signal f(t) passing through above systems, please plot the output signals, respectively. (5 points each)

- 4. (15%) Explain the following terminologies;
  - a. Analog&Digital signals (3 points)
  - b. Continous&discrete signals (3 points)
  - c. A/D &D/A conversion (3 points)
  - d. PID controller (3 points)
  - e. Variable Structure System(VSS) (3 points)

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