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淡江大學 96 學年度碩士班招生考試試題

系別：機械與機電工程學系

科目：機 械 製 造

准帶項目請打「V」	
	簡單型計算機

本試題共 1 頁

1. Why is Bernoulli's equation important in casting? (10%)
2. List the advantages and limitations of die casting. (10%)
3. What are light-metal castings? Where are they used most commonly? (10%)
4. Make a list of some parts that can be made by (a) shape rolling and (b) thread rolling. (10%)
5. What factors are involved in precision forging? (10%)
6. Describe the features of forming-limit diagrams (FLDs). (10%)
7. What is microforming? What is its significance in modern manufacturing? (10%)
8. What is meant by rapid tooling? What is its significance in manufacturing? (10%)
9. Explain the applications and limitations of ceramic tools. (10%)
10. Describe bulk and surface micromachining. (10%)