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Cash flow is the sum of money recorded  
as receipts or disbursements in a  
project's financial records. A cash flow

diagram presents the flow of cash as  
arrows on a time line scaled to the  
magnitude of the cash flow, where  
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are up arrows. Year-end convention ~  
expenses Engineering Economics 4-1 -  
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systematic evaluation of the economic  
merits of proposed solutions to  
engineering problems • Principles: -  
Develop the alternatives • Alternatives  
need to be identified and defined. -  
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problems inevitably fall into one of three categories: Fixed input. The amount of money or other input resources is fixed. Example: A project engineer has a budget of \$450,000 to overhaul a plant. Fixed output. There is a fixed task, or other output to be accomplished.

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economics is that money generates money. You cannot compare \$10.00 today to \$10.00 a year from now without adjusting for the investment potential. A simple example would be to take the \$10.00 and put it in a savings account at 2% interests. After a year you have \$10.20 instead of \$10.00.Engineering Economics - Louisiana Tech Universityengineering.purdue.eduengineering.purdue.eduIndustrial Engineering Economy Review. 2 Main concepts n Models are approximations ... n Depreciation, inflation, and interest rates. 3 Suggestions for solving problems n Lookup unfamiliar terms in the index n Draw cash flow diagrams n Identify P, A, F, i n Be flexible in using equations and tables n ... Bank example n You 1000 ...Engineering Economy

Review These are questions from previous years' exams and midterms. They do not reflect the questions I will ask, but should be suitable for practice. Many practice problems are available in the textbooks for the economics section of the course. Question 1 Practice questions - Engineering Economics and Problem ... Electrical & Computer Engineering Engineering Economics I (7 of 20) Engineering Decision Making • Selecting an appropriate criterion (or criteria) for selecting among competing alternatives is a critical step in engineering decision making • Problems can be classified: - Fixed input/variable output - Fixed output/variable input LECT 12 -- Engineering Economics I Daily FE Exam Prep Engineering Economics Problem 1 - Interest Rates ...

we talk about a specific problem example for how to attack Fundamentals of Engineering Exam problems related to Engineering ... Daily FE Exam Prep Engineering Economics Problem 1 - Interest Rates Some examples of engineering economic problems range from value analysis to economic studies. Each of these is relevant in different situations, and most often used by engineers or project managers. For example, engineering economic analysis helps a company not only determine the difference between fixed and incremental costs of certain ... Engineering economics - Wikipedia Figure 4. Maintenance Costs for Example Problem 10.6. Summary of Interest Factors The factors  $p/f$ ,  $f/a$ ,  $p/a$  and their reciprocals, and the GPWF are

tools that can be applied and combined to solve numerous problems of engineering economics. These factors are summarized in Table 3. Following sections will illustrate how these factors

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Figure 4. Maintenance Costs for Example Problem 10 6. Summary of Interest Factors The factors  $p/f$ ,  $f/a$ ,  $p/a$  and their reciprocals, and the GPWF are tools that can be applied and combined to solve numerous problems of engineering economics. These factors are summarized in Table 3. Following sections will illustrate how these factors

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