

## IENG 366 Midterm I Example Questions

Expect approximately 40 Questions

- Most are multiple choice
- Some are fill in the blank

Below is a sampling of exam questions:

1. Which of the following is NOT a source of power in an organization?
 

A. Reward	C. Coercive
B. Relevant	D. Legitimate
  
2. Which of the following is NOT a method for forecasting:
  - A. Regression Models
  - B. Jury of Expert Opinion
  - C. Delphi Continuum
  - D. Weighted Moving Average

Questions 3 – 5 may be solved using the following table:

	Estimated Payouts				Expected
	State 1	State 2	State 3	State 4	Value
<b>Option A</b>	\$ 576	\$ (110)	\$ (22)	\$ 380	\$ 91
<b>Option B</b>	\$ 225	\$ (52)	\$ 45	\$ 410	\$ 70
<b>Option C</b>	\$ 374	\$ (75)	\$ 245	\$ 270	
<b>Option D</b>	\$ 523	\$ (95)	\$ 260	\$ 410	\$ 214
<b>Option E</b>	\$ 475	\$ (82)	\$ 175	\$ 375	\$ 168
Probability:	20%	30%		5%	

3. What is the correct value for the Probability of State 3?
  
4. What is the correct value for the Expected Value of Option C?
  
5. Which option would be selected if making the decision using Expected Value?
 

A. Option A	C. Option C	E. Option E
B. Option B	D. Option D	F. Selection not possible

An engineering manager needs to bring four newly graduated engineers from SDSM&T onto a highly important project and get them performing at a high level as quickly as possible. There are already some senior engineers working on the project, which is about 5 years into a 10 year-long project duration.

6. If the engineer's former professor tries to get them to meet their deadlines because "that's what he would do" and because he thinks that they would like to be "just like him", what kind of power is he attempting to use?