**ITMG 494 Exam One Fall 2016**

**Name** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

This is an open book, open notes individual take home exam and you can also use Internet sources. Most questions can be answered in a few paragraphs. Refer to the course website for the Grading Rubrics for each question. ***You can use this template and answer each question on a SEPARATE PAGE. Make certain to save your exam file with your last name. This exam is worth 100 points.***

**Associated Students Academic Integrity Statement**

*“I pledge that I have neither given nor received any unauthorized assistance on this examination”*

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**QUESTION ONE (CHAPTER ONE) 15 points**

*List and describe each of the ten project management knowledge areas. Also discuss common project management tools and techniques that can be used for that area.*

**QUESTION TWO (from Chapter Twelve pdf from website) 10 points**

*Identify five success variables for a project manager.*

**QUESTION THREE (CHAPTER TWO) 15 points**

*What are the four frames of organizations? Describe each frame.*

**QUESTION FOUR (CHAPTER FOUR) 15 points**  
*What is a project charter? Discuss the inputs that can aid the development of the charter.*

**QUESTION FIVE (CHAPTER FIVE) 15 points***List and briefly describe the six main processes involved in project scope management.*

**APPLICATION QUESTIONS**

**QUESTION SIX PROJECT SECTION (15 points)**Inatech is contemplating two different projects and decides to perform a financial analysis to determine which is more financially lucrative. Project A and B have the cash flows as shown and Inatech uses a required rate of return of 10% and an inflation rate of 4%. Compute the payback in years and the net present value for both projects and offer advice as to the best course of action.

|  |  |  |
| --- | --- | --- |
| **Year** | **A** | **B** |
| 0 | -$250,000 | -$400,000 |
| 1 | $75,000 | $125,000 |
| 2 | $155,000 | $230,000 |
| 3 | $200,000 | $288,000 |
| 4 | $175,000 | $265,000 |
| 5 | $160,000 | $225,000 |

**QUESTION SEVEN PROJECT TIME ESTIMATION/CRITICAL PATH (15 points)**Construct a network diagram using the information in the table and identify the critical path.

|  |  |  |
| --- | --- | --- |
| Activity | Time | Predecessor |
| A | 4 |  |
| B | 6 | A |
| C | 9 | A |
| D | 11 | B |
| E | 16 | B, C |
| F | 4 | D |
| G | 8 | E, F |
| H | 7 | G |