



UNIVERSITY  
OF  
JOHANNESBURG

**PROGRAM** : BACCALAUREUS TECHNOLOGIAE  
ELECTRICAL ENGINEERING

**SUBJECT** : **ENGINEERING MANAGEMENT IV**

**CODE** : **TIF 441**

**DATE** : SUMMER EXAMINATION 2015  
17 NOVEMBER 2015

**DURATION** : (SESSION 1) 08:30 - 11:30

**WEIGHT** : 40 : 60

**TOTAL MARKS** : 100 MARKS  
100 = 100%

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**ASSESSOR** : MR NP LOOTS 040925506

**MODERATOR** : MR J SEBASTIAN 2387

**NUMBER OF PAGES** : 3 PAGES

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**INSTRUCTIONS TO STUDENTS:**

1. ANSWER ALL QUESTIONS.
  2. ANY CALCULATOR MAY BE USED.
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**QUESTION 1**

- 1.1 Draw and describe the controlling function of management. (10)
- 1.2 Discuss seven core attributes of Self-Managing Work Teams. (07)
- [17]**
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**QUESTION 2**

- 2.1 Name and explain the different conflict management strategies. (09)
- 2.2 Give the steps to be taken by employees when referring a case to the CCMA. (10)
- [19]**
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**QUESTION 3**

- 3.1 Draw and describe the business value chain. (10)
- 3.2 List and explain all the terms of a contract. (10)
- [20]**
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**QUESTION 4**

- 4.1 Classified the utilization of resources in five different categories. (10)
- 4.2 What are the steps to follow when producing a detailed estimate for items high in value? (06)
- [16]**
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**QUESTION 5**

- 5.1 Discuss the elements of an innovative organisation. (07)
- 5.2 Give the classification of innovation. (06)
- 5.3 Explain the characteristics of an Entrepreneur. (09)
- [22]**
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**QUESTION 6**

- 6.1 Describe six core values shared across cultures. (06)
- [06]**
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**TOTAL = 100**

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