



FACULTY OF SCIENCE

ACADEMY OF COMPUTER SCIENCE AND SOFTWARE ENGINEERING

MODULE	IT00300/IT08X30 SOFTWARE FACTORIES
CAMPUS	APK
EXAM	NOVEMBER 2016

DATE: 2016/11/23

SESSION: 8:30 – 10:30

ASSESSOR(S)

Prof JJ Langerman

INTERNAL MODERATOR

EXTERNAL MODERATOR

Prof AJ van der Merwe (UP)

DURATION: 2 Hours

MARKS: 100

THIS PAPER CONSISTS OF 3 PAGES INCLUDING THE COVER PAGE

INSTRUCTIONS:

1. Answer ALL the questions.
2. Write neatly and legibly.
3. Read the questions thoroughly.
4. Ensure that all questions are clearly marked on the answer sheet.

Question 1

Contrast and compare bureaucratic (rule-orientated) organisations with generative (performance-orientated) organisations. Use examples to illustrate your point.

[12]

Question 2

As an entrepreneur you have an idea to start a company to manage a digital stokvel. Show how you will use the building blocks of strategy (Bradley, 2013) to make strategic choices and carry them through to operational reality.

[21]

Question 3

One of the early design decisions at the start-up of a software development company will be what your team structure for your projects should look like. Discuss the role clusters of the Microsoft Solutions Framework by identifying the role clusters and the responsibilities of the cluster.

[18]

Question 4

Budgeting is a core competency for a CIO.

- 1) Using a diagram to show the IT Budgeting Key Initiatives (Gartner, 2015). (10)
- 2) Describe how you will conduct your IT Budgeting initiative using a structured approach. (10)

[20]

Question 5

Great teams are the magic that gets delivery done. Discuss the challenging attributes of teaming and also how each of these could be a benefit to an organisation and an individual.

[15]

Question 6

Emotional Intelligence and Energy Management are key competencies for IT Leaders.

- Discuss four practises that will improve one's emotional Agility. (8)
- List any practises that will improve one's energy levels (6)

[14]

TOTAL: [100]