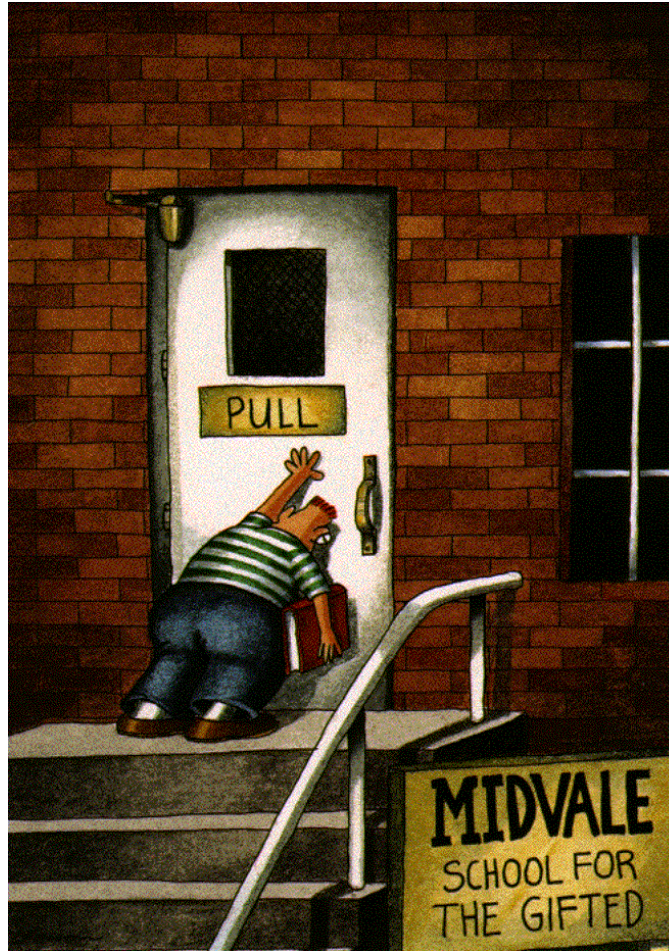


Creative, sustainable solutions
for people and planet.



ECOSA PROFESSIONAL REVIEW



KV3

KWEZI V3 ENGINEERS



ECSA PROFESSIONAL REVIEW



Louw Venter Pr.Eng

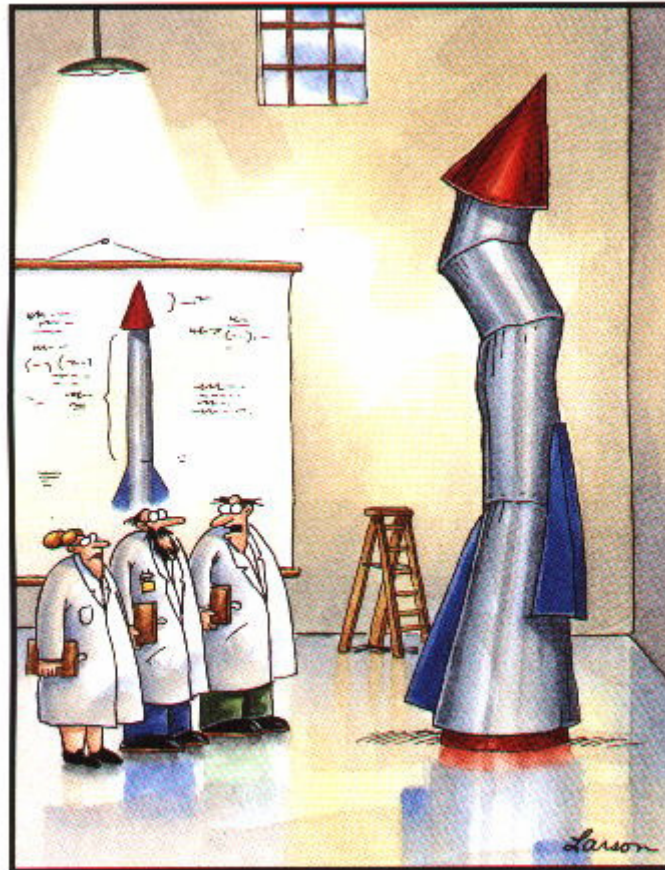
- B Eng (Stellenbosch 1999)
- Worked in London and South Africa
- 10 years experience
 - Traffic safety projects
 - Dept. of Water Affairs & Forestry
 - Civil & Structural designs
 - Roads Engineer (Geometric Design)
- Registered professionally in 2007



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ECSPA PROFESSIONAL REVIEW



"It's time we face reality, my friends. ...
We're not exactly rocket scientists."

KV3

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ECSA PROFESSIONAL REVIEW



ECSA

(Engineering Council of South Africa)

<http://www.ecsa.co.za/>

Statutory body established in terms of the Engineering Profession Act, 2000 (Act No. 46 of 2000).

Pssst...

Know ECSA's statutory function!

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ECSCA PROFESSIONAL REVIEW



SAICE

(The South African Institution of Civil Engineers)

<http://www.civils.org.za/>

Voluntary body with own set of objectives and ethics.

Pssst...

Know the difference between ECSCA
and SAICE!

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So you sent your application to ECSA

What now?

How long do I wait?

What comes next?

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FLOWCHART

Application received by ECSA



Put on database, check for completeness and acknowledge receipt. Process and send out to members of PAC (Civils).

2 weeks



Experience Appraisal by PAC (Civils) and return to ECSA

6 weeks



Setting up of Chairman's meeting to pass Experience Appraisal

1 week



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ECSA PROFESSIONAL REVIEW



FLOWCHART

Forward to SAICE for Professional Review



- SAICE sets up PR and mails documents to Reviewers.
- Reviewers study documents, liaise and finalise review questions and essay topics.
- **Professional Review takes place.**
- Reviewers mark essays, complete reports and return to SAICE

10 weeks



- SAICE returns to ECSA.
- ECSA distributes reports to PAC (Civils) for moderation.

1 week



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ECOSA PROFESSIONAL REVIEW



FLOWCHART

Moderation of PR Results by PAC (Civils)

4 weeks



Moderated results return to ECOSA and
Chairman's meeting arranged.

1 weeks



REGISTRATION

TOTAL =

± 25 weeks

26 September  **August 2007**

Loading (98%) ... Please Wait

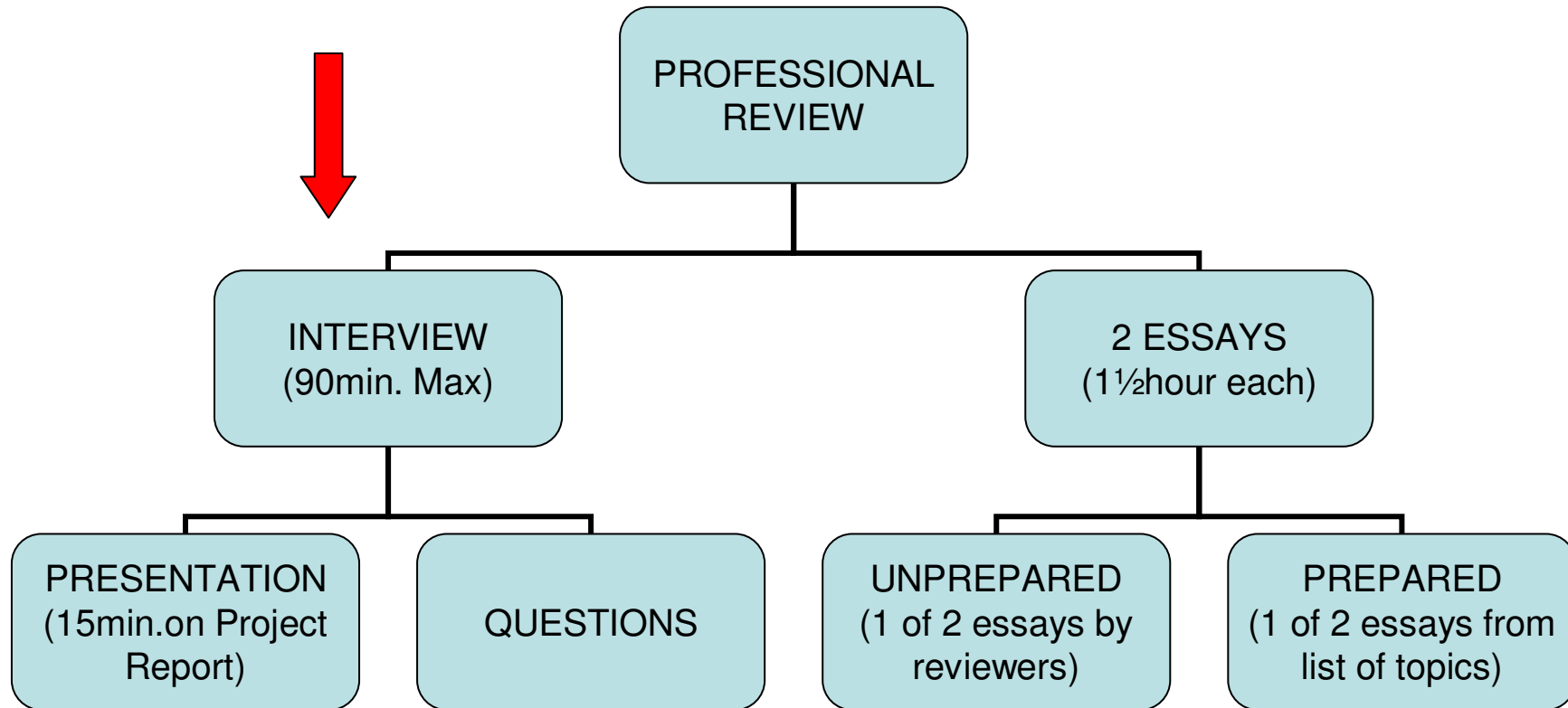
± 47 weeks



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INTERVIEW (1 ½ hours max.)

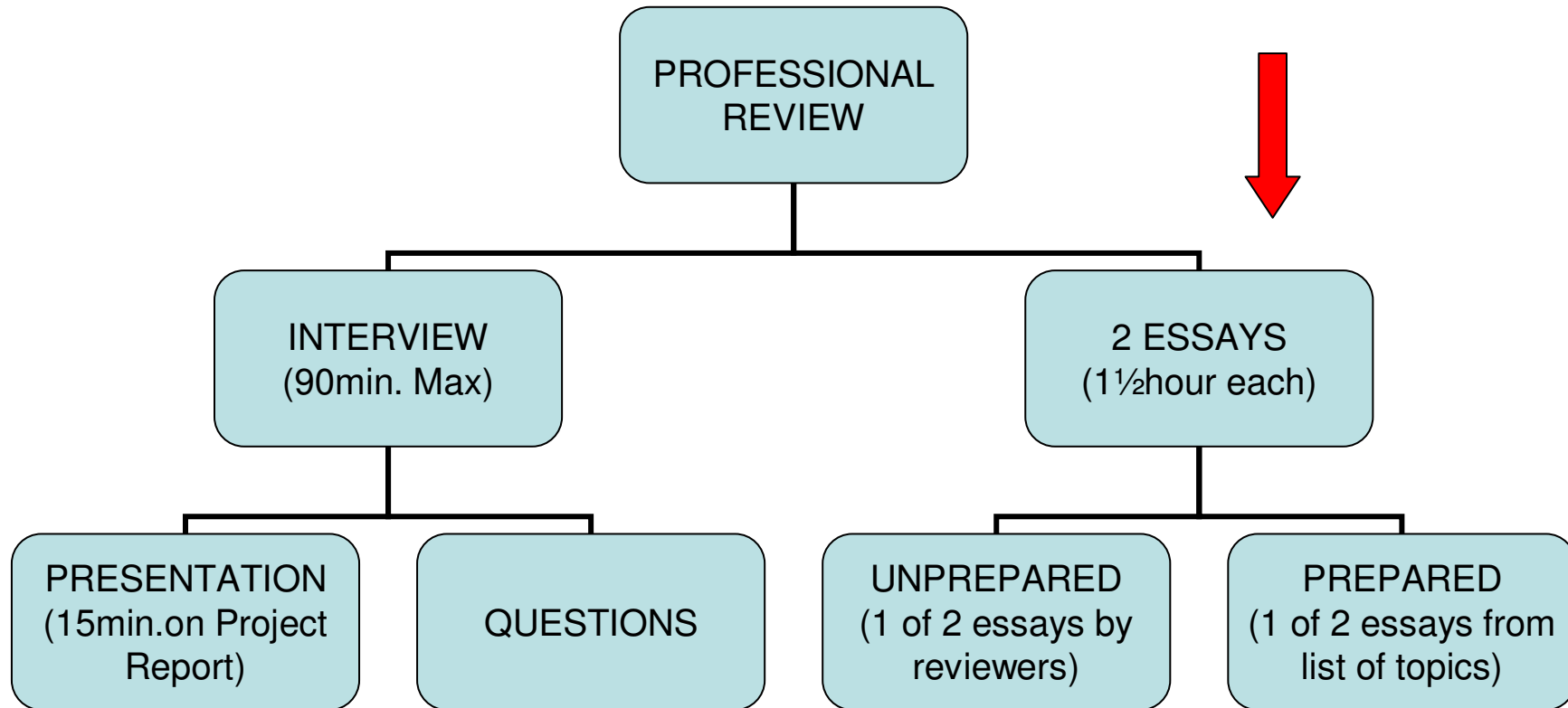
- 15min. formal presentation by CE on project report.
- Reviewers ask questions to assess whether CE have met the standards:
 - Did CE acquire an understanding of the professional environment
 - (including moral & ethical issues)?
 - Did CE develop the ability to exercise engineering judgment?
 - (responsible decisions, communicate accurately, find solutions to problems and implement these solutions)
 - Did CE achieve an acceptable level of technical knowledge?



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1st ESSAY (1½ hours)

One of two technical subjects set by the reviewers in context of your training/experience report (unprepared).

- CE must expand upon particular aspects of their experience and technical knowledge.
- My question was:
 - A major road failure occurred due to a slope failure. How would you tackle this problem?
- Reviewers are looking for:
 - Mature writing with insight, opinion & justification
 - Structure – logical flow
 - Clarity – communication of thoughts



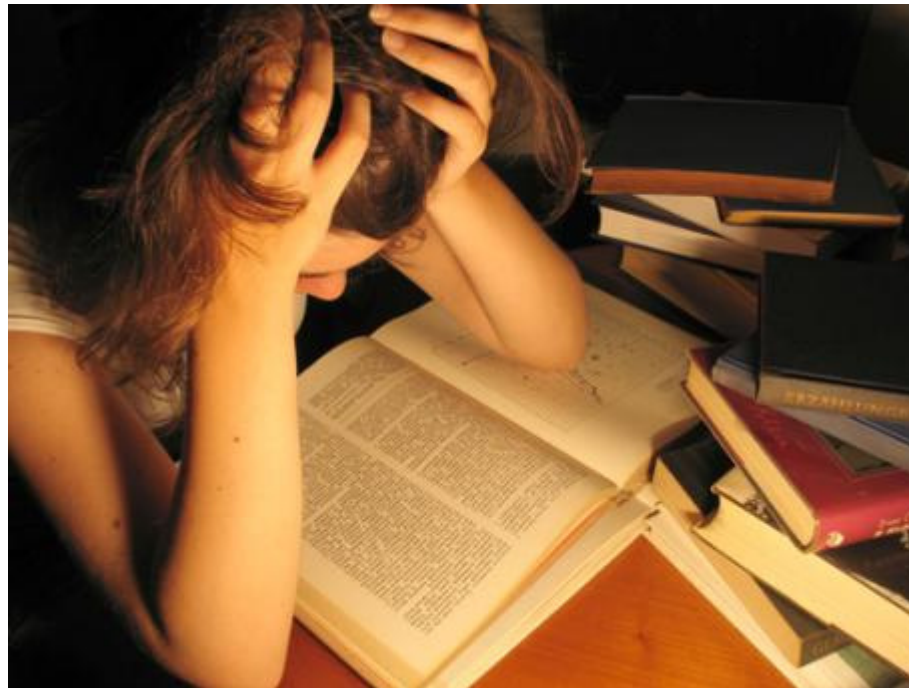


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2nd ESSAY (1½ hours)

One of two topics from a list published annually by SAICE (prepared).



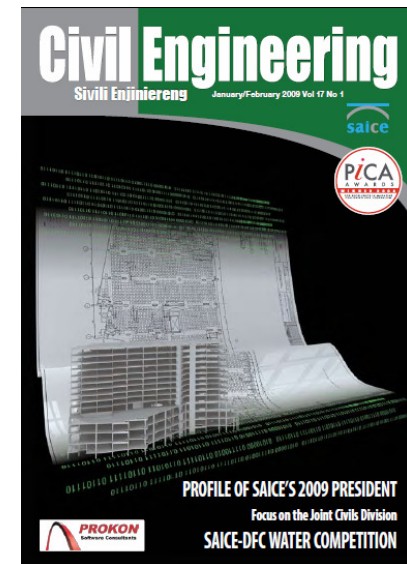
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2nd ESSAY (1 ½ hours)

One of two topics from a list published annually by SAICE (prepared).

- Form a study/discussion group
- Most answers can be found in SAICE Magazines
 - Indexes on SAICE website from 1999 to current
- Essay topics are sorted in terms of its focus
 - (Professional Practice, Environmental Issues, Socio-Political Issues, Contractual matters etc.)
- Do it yourself – don't copy previous year's essays
- Examples of questions are:



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Discuss appropriate civil engineering solutions in the new South Africa.

- (a) Highlight the changes in SA since 1994 as it impacts on civil engineering
- (b) Definition of “appropriate solutions and –technology”
- (c) Labour based construction techniques (advantages/disadvantages)
- (d) Alternative materials
- (e) Cost effectiveness and life expectancy
- (f) Health and education
- (g) Ownership by community
- (h) Community responsibilities in terms of maintenance
- (i) Sustainable employment opportunities

Pssst...

These (and more) examples are on SIACE's website

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General Essay writing tips:

- (a) Read the question and make sure that you understand it
- (b) Structure your thoughts and the essay properly
- (c) Define concepts and explain your understanding thereof
- (d) Include methodology, budget, planning, and community involvement where applicable
- (e) Manage your time to ensure that you have sufficient time to address each aspect
- (f) Include examples from personal experience to relate to the subject and illustrate your understanding thereof
- (g) The average length of essays are 5 hand-written A4 pages.
- (h) Don't "waffle" - Be specific
- (i) Relax!





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Pssst...

Hold onto someone

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Pssst...

Keep a diary

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Pssst...

Don't lie

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Pssst...

Be realistic (5 to 7 years)

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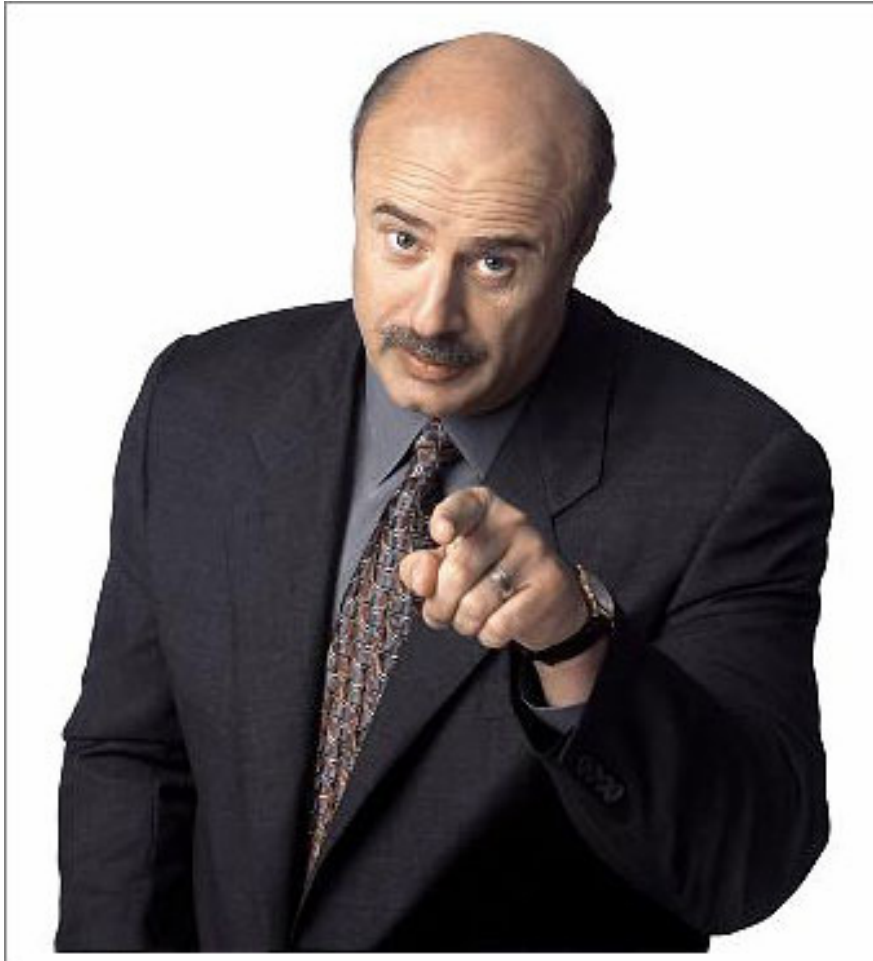
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IT IS UP TO YOU!

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