

SEMESTER TEST ★ SEMESTERTOETS 1

MODULE CODE/KODE	ITRW 213	DURATION/DUUR	1h
EXAMINER/EKSAMINATOR	Imelda Smit	MARKS/PUNTE	30
MODERATOR	Prof Roelien Goede	DATE/DATUM	27-02-2013
		TIME/TYD	15:30

MEMORANDUM

Answer all the questions. ★ Beantwoord al die vrae.

Question | Vraag 1 [Chapter | Hoofstuk 1] [13]

1.1	(10)
<p>The following are examples of university system stakeholders. Can you identify which role category each belongs to? Be specific in your answer.</p> <p>Higher Education Quality Commity (HEQC – ensuring standards are upheld)</p> <p>Students</p> <p>Security company</p> <p>Lecturing staff</p> <p>Web master</p> <p>Employers (of students who qualified)</p> <p>Schools (where students matriculate)</p> <p>Vice-rectors</p> <p>Admin staff</p> <p>Alumni</p>	<p>Die volgende is voorbeelde van universiteits-stelsel belanghebbendes. Kan jy identifiseer aan watter rolkategorie elkeen behoort? Wees spesifiek in jou antwoord.</p> <p>a) Hoër Opvoeding Kwaliteitskomitee (HOKK – verseker standarde word onderhou)</p> <p>b) Studente</p> <p>c) Sekuriteitsmaatskappy</p> <p>d) Doserende personeel</p> <p>e) Web-meester</p> <p>f) Werkgewers (van afgestudeerde studente)</p> <p>g) Skole (waar studente matrikuleer)</p> <p>h) Vise-rektore</p> <p>i) Administratiewe personeel</p> <p>j) Alumni</p>

Answer: p7-16 Applied to an example

- a) Higher Education Quality Committee (HEQC – ensuring standards are upheld) ~ External service provider ✓
- b) Students ~ External system users (customers) ✓
- c) Security company ~ System designer (security expert) | System builders (security administrators) ✓ (any one)
- d) Lecturing staff ~ Internal system users (technical and professional staff) ✓
- e) Web master ~ Systems builder (code and maintain web) ✓
- f) Employers (of students who qualified) ~ External system users (partners) ✓
- g) Schools (where students matriculate) ~ External system users (suppliers) ✓
- h) Vice-rectors ~ Systems owners | Internal system users (supervisors, middle managers, and executive managers) ✓ (any one)
- i) Admin staff ~ Internal system users (clerical and service workers) ✓
- j) Alumni ~ External system users (customers) ✓

Mark allocation: See allocated marks. Only half a mark if only customer (and not external system user) is mentioned – and visa versa.

1.2	(3)
What is the role of a systems analyst?	Wat is die rol van 'n stelselontleder?

Answer: p11

- Bring together business and computing (study business problems, opportunities and directives, transform it into information requirements and then into specifications for information systems). ✓
- Initiate change within the organisation (new systems change business). ✓
- Problem (opportunities | directives) solvers. ✓

Mark allocation: See allocated marks.

Question | Vraag 2 [Chapter | Hoofstuk 2]

[7]

Users are very important in systems analysis and design. What is the **user's view of knowledge, processes and communication**? What **information** can they supply to assist in systems analysis and design?

Gebruikers is baie belangrik in stelselontleding en -ontwerp. Wat is die **gebruiker se siening van kennis, prosesse en kommunikasie**? Watter **inligting** kan hulle verskaf om stelselontleding en -ontwerp te ondersteun?

Answer p50-51; 53-54; 55,57

Knowledge: DATA important (capture, store, process, edit, use). ✓ Can supply **data requirements**. ✓

Process: Concerned with **BUSINESS PROCESSES**. ✓ Can supply **process requirements** ✓ (policies & procedures) ✓ and how the **work flows**. ✓

Communication: Concerned with **INPUTS & OUTPUTS**. ✓ **Prototypes** help to obtain this information after the basic list of fields were supplied. ✓

Mark allocation: See allocated marks. A maximum of 7 marks can be earned.

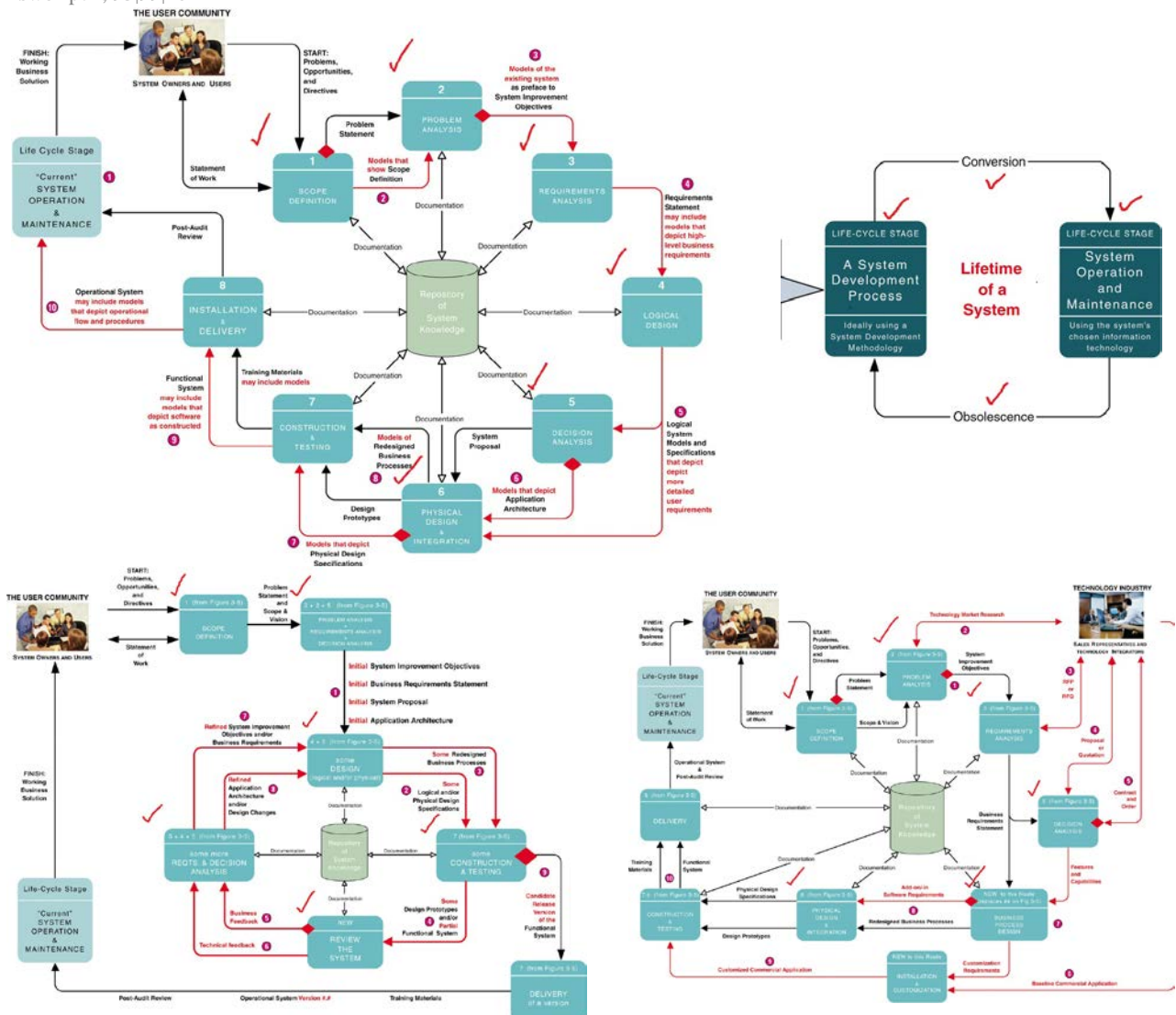
Question | Vraag 3 [Chapter | Hoofstuk 3]

[10]

Draw a picture to illustrate the difference between the **system life cycle** and a **systems development methodology**. You may use any methodology in your answer.

Teken 'n prentjie om die verskil tussen die stelsellewensiklus en 'n stelselontwikkelingsmetodologie te illustreer. Jy mag enige metodologie in jou antwoord gebruik.

Answer p71, 95|99|102



Mark allocation:

See allocated marks. A maximum of 6 marks can be earned for the selected systems development life cycle. A more simplified version (eg as shown in chapter 1) may also be used.