



MNG2602

(493941)

May/June 2013

CONTEMPORARY MANAGEMENT ISSUES

Duration

2 Hours

70 Marks

EXAMINERS:

FIRST

SECOND

MRS MJ VRBA

PROF T BREVIS-LANDSBERG

Closed book examination.

This examination question paper remains the property of the University of South Africa and may not be removed from the examination venue.

The use of a calculator is not permissible.

This paper consists of 19 pages plus instructions for completion of a mark-reading sheet.

INSTRUCTIONS:

This paper consists of 70 multiple-choice questions, which you have to answer on the mark-reading sheet. The questions are worth one mark each

Please check that you have filled in the following information on the mark-reading sheet:

- your student number
- the module code (MNG2602)
- the unique number of the paper (493941)

Please complete the attendance register on the back page, tear off and hand to the invigilator.

1	Which one of the following options does not form part of the specific forces that acas stimulants for change in organisations?
	globalisation and the global economy advances in technology division of labour new roles and expectations of workers
2	A feature of the new organisation is that
	 Information flow is vertical systems and procedures are inflexible it performs its activities in a network the strategic focus is efficiency
3	Flexibility is a key feature of new organisations.
	Which one of the following is not a managerial challenge associated with flexibility?
	accepting that lifelong employment with one organisation is the norm learning to adapt to change being innovative maintaining a sense of responsibility for their careers
4	The central elements of information technology that have changed the way in which contemporary organisations function are
	mobile computing and the personal computer the Internet, e-commerce and mobile computing the Internet and e-commerce e-commerce and new computer software programmes
5	Copyrights, trademarks and patents are part of the capital category of intellectual capital
	1 legal 2 customer 3 human 4 structural

6	Consumers' awareness of possible products and services has increased because
	of global competition and they select their purchases according to the criteria
	they set in terms of

- 1 cost, quality and packaging
- 2 customisation, mass production and time
- 3 innovation, service and cost
- 4 quantity, innovation and time
- 7 Managers of **new organisations** have to cope with 'temporariness' as indicated by the following:
 - 1 Workers have to update their knowledge and skills continually to be able to cope with new job requirements
 - Workgroups are increasingly in a state of flux because of the demise of temporary work groups
 - Organisations have to appoint their temporary staff as permanent staff members
 - 4 New labour laws protect the rights of temporary workers
- In relation to the environment of the organisation, which of the following is **not** a sub-feature of the **networked organisation**?
 - 1 Close relationships are forged with organisation's suppliers
 - The organisation relies greatly on boundary-spinning functional departments, such as marketing, to liaise with customers.
 - 3 Coalitions are built to work together with certain stakeholders
 - 4 Alliances and cooperative networks are built with other organisations

9	The organisational feature	flat and lean'	' implies that
---	----------------------------	----------------	----------------

- 1 the organisation has a narrow span of control
- the organisation has a tall structure
- decision making takes place at the level where the information resides
- there is less frequent communisation between senior and junior managers in the organisation
- Which one of the following presents a major challenge for management in terms of workforce diversity?
 - 1 Converting the heterogeneous values of the diverse groups working in the organisation to homogeneous values
 - 2 Developing systems for conflict resolution
 - 3 Supporting the homogeneous values of the diverse groups working in the organisation
 - 4 Appointing disabled people in temporary jobs

11	Unexpected change in the environment of an organisation, may force managers to respond to it in a hurried and poorly planned way, through change			
	1 reactive 2 revolutionary 3 evolutionary 4 gradual			
12	Government's introduction of a new labour law is a force of change, which may drive the need for organisations to change			
	 economic social technological political 			
13	We distinguish between four areas of organisational change Changing the competency level of employees represents a change in			
	 strategy structure technology people 			
14	The possibility of losing a job, of having to relocate or of having to undergo training causes resistance to change , stemming from			
	lack of trust and misunderstanding low tolerance for change uncertainty different perceptions			
15	Which one of the following is not a step in Lewin's change model?			
	 unfreezing the current behaviour changing the behaviour freezing behaviour refreezing behaviour 			

10	change in organisations may fail is
	1 the emphasis on short-term profit
	2 over-communicating the vision
	 over-communicating the vision too much reliance on corporate culture
	4 too much complacency
17	By using, managers can reduce resistance to change
	This method often includes decentralising authority:
	1 facilitation and support
	2 education and communication
	3 negotiation and rewards
	4 participation and involvement
18	Organisational development (OD) involves planned interventions such as
	in bringing about change.
	1 compromise and support
	2 surveys, training and development
	3 involvement and rewards
	4 negotiation and training
19	The second step in implementing the change process is to
	1 select an appropriate change technique
	2 determine the desired outcome of the change intervention
	diagnose the causes of change in the organisation
	4 planning the implementation of the desired change
	pariting the implementation of the desired change
20.	The branding, including the logo and corporate colours of Pick n Pay changed a
	few years ago
	The change reflected one element that determines and expresses a corporate culture, namely
	1 assumptions
	2 rituals3 ideologies
	4 symbols
	,

Z I	Corporate culture may be defined as the
	1 diversity of people working in the organisation
	2 behaviour and attitudes management
	3 values and beliefs shared by people in an organisation
	4 various national cultures represented in the organisation
22	Elements that express and determine culture include
	1 relationships
	2 structure
	3 strategy
	4 responsiveness
23	Tales, as an element that determines and expresses a corporate culture , can be subdivided into three different themes, namely
	1 control, equality and security
	2 safety, gossip and control
	3 symbols, humour, security
	4 assumptions, relationships and the company grapevine
24	Organisational culture analysis (OCA) measures all of the following conditions for competence in terms of an organisation's culture, except
	1 profitability
	2 commitment 3 creativity
	4 collaboration
25	Advertising slogans, such as "We try harder" (Avis) express through the type of corporate culture that prevails at the organisation
	1 symbols
	2 ideologies 3 language
	4 assumptions
26	refer to practices and reactions that occur repeatedly and have certain
	significance in the organisation.
	1 Symbols
	2 Rituals
	3 Ideologies
	4 Tales

21	General reasons why people resist change include
	 1 inertia, surprise, inflexibility and conservatism 2 surprise, inertia, conservatism and group pressure 3 inertia, surprise, peer pressure and timing 4 peer pressure, timing, inflexibility and inertia
28	Managers can follow all of the following approaches in an attempt to change culture, except
	strengthening the prevailing culture through communication and training leaving all the elements of the culture unchanged removing people who deviate from the culture inducting and socialising people into the organisation
29	are potential mechanisms for introducing a radical culture change
	Partnerships and collaborations Education and support Inducting and socialising Acquisitions and mergers
30	In Company A, creativity is appreciated, in Company B, employees are expected to maintain the status quo
	These differences can be attributed to the prevalent in the two organisations.
	1 artefacts 2 values 3 basic assumptions 4 leadership styles
31.	power refers to an individual who has power because of personal characteristics or "charisma"
	1 Expert 2 Legitimate 3 Reward 4 Referent

32 l	Identify the wrong	ı statement	regarding	people's	interest in	an organisation.
------	--------------------	-------------	-----------	----------	-------------	------------------

1 Individual interest involves an individual acting in own best int

- 2 Collective interests define the shared borders of interest groups
- 3 Collective interests are derived from the organisational design.
- 4 Organisational members can only belong to one collective interest group in an organisation

33	Which one of the following does not form part of the three steps in implementing
	a diversity strategy within an organisation?

- 1 Providing diversity awareness and cultural competency training
- 2 Organisational training on diversity and strategy revision
- 3 Changing structure, policies and systems to support diversity
- 4 Building a corporate culture that values diversity

34	According to the	_ you need to treat people as you would like to be treated
	yourself	

- 1 platinum rule
- 2 golden rule
- 3 "right and wrongs" approach
- 4 "value of differences approach"
- 35. The ____ initiates the request on which a project is planned
 - 1 client
 - 2 project centre
 - 3 operational manager
 - 4 strategic manager

36 Project management has the following important elements

- a cost
- b time
- c quality
- d risk
- e quantity
- f productivity
- 1 abcd
- 2 acde
- 3 bdef
- 4 cdef

37.		s a planning tool that uses a network to plan projects involving numerous and their interrelationships
	1 2	Gannt chart PERT
	3 4	Decision tree Simulation
38		ecruitment of employees within an organisation, is an example of a
	1	core
	2	main
	3 4	primary secondary
39	Inbou	and logistics is an example of a activity within the internal value chain
	1	core
	2	main
	3	primary
	4	secondary
40	The _	based model charge fees for unlimited use of the service or content.
	1	subscription
	2	fee-for service
		referral
	4	production

Read the following information on the Harley-Davidson motorcycle company to answer questions 41 to 70.

The Harley-Davidson motorcycle company

Introduction

The story of the Harley-Davidson (H-D) motorcycle company started in 1901, when William S Harley, age 21, completed a blueprint drawing of an engine designed to fit into a bicycle. In 1903, William S Harley and Arthur Davidson made the first production H-D motorcycle available to the public. The factory, in which the motorcycles were designed and made, was a wooden shed with the words "Harley-Davidson Motor Company" scrawled on the door. Arthur's brother Walter later joined them and in 1904, the first H-D Dealer opened for business and sold one of the first three production H-D motorcycles ever made

History

In its first 60 years of operation, the H-D company had a solid 70 percent share in the motorcycle market, with the U.S. military being its biggest client. During 1917, one-third of all H-D motorcycles produced, were sold to the U.S. military. In 1919, this figure increased and almost half of all H-D motorcycles were produced and sold for use by the U.S. military in World War I. At the end of the War, it was estimated that the Army used 20 000 motorcycles in their operations, most of which were H-Ds. By 1920, H-D was the largest motorcycle manufacturer in the world, selling their motorcycles from over 2 000 dealers in 67 countries worldwide.

1935 marked the foundation of the Japanese motorcycle industry, as a result of H-D licensing blueprints, tools and machinery to the Sankyo Company of Japan

During 1941, America was plunged once again in World War II, and the production of civilian motorcycles was almost entirely suspended in favor of military production. H-D received the first of its four Army-Navy "E" Awards for excellence in wartime production. The War ended in 1945, and bat that time, H-D produced almost 90 000 motorcycles for military use, and they began the production of civilian motorcycles almost immediately

Honda's invasion

Motorcycle sales in the United States were more or less 50 000 per year in the 1950s, with H-D accounting for most of the market. By the turn of the decade, the Japanese Honda began to penetrate the market in 1960, 400 000 motorcycles were registered in the US (an increase of almost 200 000 from the end of World War II) By 1964, this number had risen to 960 000. Two years later, it was 1 4 million. By 1971, it was almost 4 million. These figures clearly illustrate an increase in the demand for motorcycles. Despite the huge increase in demand, H-Ds total sales nearly remained constant — which indicated that the company was not getting any of the new customers for motorcycles. The reason? Honda invaded the market with lightweight motorcycles and an advertising campaign directed towards a new customer. Few companies have ever experienced such a shattering of its market as did H-D in the 1960s.

Reaction to the Honda threat

At first, H-D, management did not see a threat in Honda's invasion into the market with lightweight machines. Eventually, H-D recognised that the Honda phenomenon could severely impact on their success, and that there was a new factor in the market H-D, albeit far too late, attempted to fight back by offering an Italian-made lightweight machine in the mid 1960s. Honda, however, was already firmly placed in the market, and the Italian bikes were regarded as lower quality than the Japanese bikes. Honda continued to dominate the market — a market that was bigger than they could ever forecasted.

In 1965, H-D made its first public stock offering and accepted a bid by AMF, an American company. This marriage, however, was troubled. H-D's old equipment was not capable of the expansion envisaged by AMF. At the same time, Japanese rivals flooded the market with high-quality motorcycles, whilst Harley was falling down on quality. Quality controlled inspections at H-D failed 50 to 60 percent of the motorcycles produced, compared to the failure rate of 5 percent of Japanese motorcycles. After realising an operating loss of \$4.8 million in 11 years, AMF put the division up for sale in 1981. Vaughan Beals led a team, using \$81.5 million in financing from Citicorp, to complete a leveraged buyout of the H-D division.

Harley-Davidson under the management of Vaughan Beals

The prognosis for the new company, with a market share of only 3 percent, was very bleak Tariff protection and massive lobbying were the company's only hope for regaining market share. In 1983, Congress passed a huge tariff increase on Japanese motorcycles – a 4 percent tariff was increased to a 45 percent tariff for the next 5 years. This gave H-D new hope, and they slowly began to rebuilt market share, improved the quality of their product and restored market confidence.

In December 1986, H-D requested Congress to remove the tariff barriers, more than a year earlier than originally planned. The company had restored confidence, and they believed that they would be able to compete with the Japanese head to head, with the following strategies:

- Production improvements. H-D implemented some of the Japanese managerial techniques in an attempt to decrease their production costs. Each plant was divided into profit centers, with managers given total responsibility within their assigned areas of responsibility. Just-in-time inventory and materials-as-needed control and management systems were introduced with the aim to minimise inventories. Quality circles were designed in order to increase employee involvement in the quality goals of H-D, and to improve the communication efficiency between management and subordinates. A statistical operator control program was also introduced, giving employees the responsibility for checking the quality of their own work, and taking corrective steps where and when necessary. Various product improvements were also implemented. Motorcycle helmets with build-in stereo systems and intercoms were also introduced. These production improvement efforts, resulted in the following.
 - i. Inventory reduction of 67 percent
 - II Productivity increase of 50 percent
 - III. 66 percent reduction in scrap and rework
 - iv. Decrease in defects of 70 percent
- **Improving labour relations**. The company took action in order to improve labour relations by being more sensitive to employees and their problems, offering improved employee assistance programmes and benefits.
- Marketing moves. Despite their poor quality and poor financial times, the company had an almost unparalleled cadre of loyal H-D customers (92 percent of its customers remained with H-D). However, H-D always had a serious public image problem it was associated with an image of pot-smoking, beer-drinking, woman-chasing, tattoo-covered, leather-clad biker. In an effort to change this image, the company began licensing its name and logo on a wide variety of products, from leather jackets to cologne, jewelry, pajamas, sheets and towels. These licensed goods soon became very popular and bought by a new type of customer such as bankers, doctors, lawyers and entertainers. Soon these people became customers of H-D motorcycles, known as the "Rubbies"- rich urban bikers. Under Beal's leadership, the company capitalised on

this new market by expanding the product line with expensive heavyweights. The "Rubbies" brought the H-D company back to their leadership position of the past, and by 1993 their market share was 63 percent. In 1989, Beals stepped down as CEO, but retained his position as chairman of the Board

Harley-Davidson's New Success

Soon after Vaughan Beals' resignation as CEO, H-D had a new problem, one born of success By 1991, the company could not even come close to meet the demand for their motorcycles – customers faced empty showrooms, and the waiting time for a new bike could be six months or longer. Dealers worried that empty showrooms and long waiting lists would motivate customers to turn to foreign imports, such as they had several decades before. Their worry never materialised - under Beals' leadership, the company engendered a brand loyalty unique in its industry Beals' successor, Richard Teerlink, followed a conservative plan whereby production was slowly increased to meet demand. Harley-Davidson was up and doing well

Sources:

Hartley RF. 2011 Management mistakes and successes Cleveland Wiley. P61 – 75 http://www.harley-davidson.com/wcm/Content/Pages/H-
D History/history 1910s jsp?locale=en AA Accessed 9 January 2013

Answer the following 30 questions that are based on the Harley-Davidson information.

Questions 41 and 42

Specific forces act as stimulants for change in organisations.

- 41. Which one of the following was the primary force that stimulated change during World War I in the H-D company?
 - 1 Increased power and demands of the customer
 - 2 The learning organisation
 - 3 New roles and expectations of workers
 - 4 Advances in technology
- Which one of the following was the primary force that stimulated change during the 1960s in the H-D company?
 - 1 Radical transformation of the world of work
 - 2 Globalisation
 - 3 The learning organisation
 - 4 New roles and expectations of workers
- 43 "We preserve and renew the freedom to ride."

The statement above explains the H-D co	ompany's
---	----------

- 1 Vision
- 2 Mission
- 3 Long-term goal
- 4 Marketing strategy

44	"For Harley-Davidson sustainability means thinking differently to preserve and renew our brand for long-term success. We are passionate about future generations of riders sharing the Harley-Davidson experience that we enjoy."				
	The statement above is part of theof the H-D company, which is often stated in an addendum to the of a company.				
	1	public image, vision			
	2	philosophy, mission			
	3	distinctive competence, mission			
	4	philosophy, grand strategy			
45	According to the to decide which factors are truly strategic for the survival of the company, the strong brand name of the H-D company is an and a to the company.				
	1	financial analysis approach, organisational capability, strength			
	2	value-chain approach, tangible asset, weakness			
	3	resource-based view of the organisation; intangible asset; strength			
	4	product/market evolution approach, intangible asset, strength			
	-	to a man and the control of the cont			

Questions 46 to 47

The **Balanced Scorecard** (BSC) can be used to translate the H-D's mission into long-term goals

Match the BSC perspective in column A with an example of the measurement thereof in Column B.

Column A Perspective			Column B Measurement	
46	Internal business processes	1.	The improvement of labour relations by being more sensitive to employees and their problems, offering improved employee assistance programmes and benefits	
47.	Learning and growth	2	Analyse the number of new customers during the 1960s and 1970s	
		3.	The introduction of a statistical operator control program	
		4	Analyse the economic value added by the company	

48	build-in stereo systems and intercoms				
	This is an example of a strategy followed by H-D.				
	 market development product development innovation integration 				
49	According to the Boston Consulting Group growth/share matrix , the H-D company could be classified as a during the 1960s.				
	 star question mark dog cash cow 				
50	One of Vaughan Beals' decisions was to distribute the benefits and costs of the company in an equitable, fair and impartial manner				
	This is an example the approach to ethical decision making.				
	 human rights Justice Utilitarian Social 				
51	Each plant of the H-D company was divided into profit centers, with managers given total responsibility within their assigned areas of responsibility. One of these managers misused organisational resources for personal gain.				
	This is an example of ethical decision making on the level.				
	 1 Individual 2 organisational 3 association 4 societal 				
52	implies that management at the H-D company, in the process of serving their own business interests, is obliged to take actions that also protect and enhance society's interests.				
	1 Business ethics 2 Corporate governance 3 Corporate social responsibility 4 Social obligation				

53 "The H-D company thinks different to preserve and renew their brand for long-term success. They are passionate about future generations of riders sharing the H-D experience."

This statement refers to the _____ vision of the H-D company.

- 1 sustainability
- 2 social obligation
- 3 social responsibility
- 4 corporate governance
- Good **corporate governance** in companies such as H-D, should revolve around the following key aspects:
 - a Effective leadership
 - b Sustainability
 - c Profitability
 - d Corporate citizenship
 - e Productivity
 - 1 abc
 - 2 abd
 - 3 bde
 - 4 cde

Questions 55 to 56

Businesses such as the H-D company are responsible to their stakeholders

Match the category of stakeholders in column A with examples thereof in column B

	Column A Category of stakeholders	Column B Examples	
55	Primary stakeholders	1.	Shareholders, employees, management
56	Secondary stakeholders	2	Local and international community, suppliers
		3	Shareholders, employees, suppliers, customers
		4.	Local community, country as a whole, international environment

Questions 57 to 58

In order to sustain their current successes, the H-D company will also face many challenges, since **new** organisations have different features than **traditional** organisations.

Study the following list of challenges that managers of "new" organisations have to face:

Α	More frequent and effective communication between senior and junior managers			
В	Develop listening skills			
C	Multitasking			
D	Training in diversity			
E F	Work with others and in teams			
F	Provide alternative incentive systems and new concepts of career planning that involve more horizontal than vertical movement			
G	Learn and transfer knowledge in the organisation			
Н	Managers must have the necessary skills in order to negotiate win-win			
ı	situations for all involved Form alliances with external stakeholders			
l J	Flexible labour practices			
J	i lexible labour practices			
57	From the list above, identify the challenges that managers have to face that are associated with a "flat and lean" organisational feature			
	1 BCD			
	2 AFH			
	3 AGH			
	4 HIJ			
58	From the list above, identify the challenges that managers have to face that are associated with a "flexible" organisational feature			
	1 ABD			
	2 BJ			
	3 CD			
	4 C J			
59.	Under the management of Vaughan Beals, the H-D company implemented various changes, which can be categorized as and changes of the organisation.			
	1 planned, internal			
	2 reactive, external			
	3 reactive, internal			
	4 planned: external			

Vaughan Beals implemented various control systems in order to achieve the quality goals of the company.

Control systems can be categorized in the following area of organisational change:

- 1 strategy
- 2 structure
- 3 technology
- 4 people
- 61 Which of the following is not a characteristic of a work group?
 - 1 The skills of group members are random and varied
 - 2 There is not a strong group leader
 - Individual members are accountable and rewarded for their own performance
 - The group performance is the performance of the weakest individual in the group
- Ouring the ____ stage in **group and team development**, people want to find out what kind of behavior is acceptable
 - 1 forming
 - 2 storming
 - 3 norming
 - 4 performing

Questions 63 to 64

According to the **Group behaviour model**, the variables that influence group and team behaviour, can be categorised in various classes.

- The factors in the **organisational context** that influence the functioning of a group include the following
 - 1 Group member resources, leadership, roles; group cohesiveness, status of group members
 - 2 Goals and strategies, authority structures, policies and procedures, rules and regulations
 - 3 Group size, diversity; group processes and decision making
 - 4 Goals and strategies, group communication; power and politics, conflict, group tasks

- Each group has a certain **structure** that determines how individual group members and the group as a whole function, which is influenced by the following factors
 - 1 Group decision making, communication, power and politics; conflict, group tasks
 - 2 Goals and strategies, authority structures, policies and procedures, rules and regulations
 - 3 Group size, diversity; group processes and decision making
 - 4 Leadership; roles; norms, cohesiveness; size and diversity
- 65. Which one of the following statements is wrong?
 - 1 All teams are groups
 - 2 Not all groups are teams
 - 3 A group is a special kind of team
 - 4 Organisations can develop groups into teams
- 66 Which one of the following is not a characteristic of work teams?
 - 1 Team members need not to have complementary competencies
 - 2 Team members know and share the mission of the organisation and the team and the team members accept collective responsibility for team performance
 - 3 Team members are mutually and individually accountable and rewarded for the team's performance
 - The individual efforts of team members result in a level of performance that is greater than the sum of their individual inputs
- 67. _____ teams are typically composed of employees from the same department that meet for a few hours each week to discuss ways of improving quality, efficiency and the work environment.
 - 1 Self-managed work
 - 2 Problem-solving
 - 3 Cross-functional
 - 4 Virtual
- The **Belbin-method** for selecting the members of a team, entails the following:
 - Team members should have as many as possible competencies to be effective
 - 2 Team members need to fulfill eight roles in order to be fully effective
 - Team members should be selected on the basis of their formal position in the organisation
 - 4 Different teams require different reward systems

69 Managers at the H-D company face diversity issues

Diversity is about		
A	demographics	
B	profitability	
C	values	
D	behaviour	
1	abc	
2	abcd	
3	bc	

Vaughan Beals had the potential to influence the behaviour of his H-D team, to change the cause of events, to overcome resistance, and to get people to do things they would not otherwise do.

This is called______

1 authority
2 leadership
3 status
4 power

c d

4

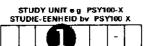
© UNISA 2013

UNIVERSITY OF SOUTH AFRICA UNIVERSITEIT VAN SUID-AFRIKA **EXAMINATION MARK READING SHEET**



EKSAMEN-MERKLEESBLAD

PART 1 (GENERAL/ALGEMEEN) DEEL 1



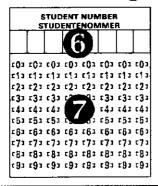
INITIALS AND SURNAME VOORLETTERS EN VAN -

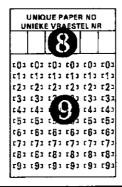


PAPER NUMBER VRAESTELNOMMER DATUM VAN EKSAMEN - --

EXAMINATION CENTRE (E.G. PRETORIA) EKSAMENSENTRUM (BV PRETORIA)







For use by examination invigilator Vir gebruik deur eksamenopsiener

IMPORTANT

- 1 USE ONLY AN HB PENCIL TO COMPLETE THIS SHEET
- 2. MARK LIKE THIS 🛨
- 3 CHECK THAT YOUR INITIALS AND SURNAME HAS BEEN FILLED IN CORRECTLY
- 4 ENTER YOUR STUDENT NUMBER FROM LEFT TO RIGHT
- 5. CHECK THAT YOUR STUDENT NUMBER HAS BEEN FILLED IN CORRECTLY
- 6 CHECK THAT THE UNIQUE NUMBER HAS BEEN FILLED IN CORRECTLY
- 7 CHECK THAT ONLY ONE ANSWER PER QUESTION HAS BEEN MARKED
- 8. DO NOT FOLD

BELANGRIK

- 1 GEBRUIK SLEGS N HE POTLOOD OM HIERDIE BLAD TE VOLTOO!
- 2. MERK AS VOLG 12
- 3 KONTROLEER DAT U VOORLETTERS EN VAN REG INGEVUL IS
- **YUL U STUDENTENOMMER VAN LINKS NA REGS IN**
- 6. KONTROLEER DAT U DIE KORREKTE STUDENTENOMMER VERSTREK HET
- KONTROLEER DAT DIE UNIEKE NOMMER REG INGEVUL IS
- 7 MAAK SEKER DAT NET EEN ALTERNATIEF PER VRAAG GEMERK IS.
- 8. MOENIE VOU NIE.

PART 2 (ANSWERS/ANTWOORDE) DEEL 2

2	1 1	c13 c23 c33 c43 c53	36 (1)(2)(3)(4)(5)	71 11:12:13:4:4:5:	106 [13 [23 [33 [43 [53]
38			77	72 112122133143152	107 (1) (2) (3) (4) (5)
4		c13 c23 c33 c43 c53	38 (1) (2) (3) (4) (5)	73 (12:22:31:41:51	108 [13 [23 [33 [43 [53]
6	1	t 13 t 22 t 33 t 43 t 52	39 112121131142151	74 [12 [2 [3 [4 [5]	109 113123113114115
6					110 :13:23:33:43:5:
7					
7	1 6	£13 £23 £32 £43 £53	41 (1)(2)(3)(4)(5)	76 (1) (2) (3) (4) (5)	111 113 123 133 143 153
8	4 '				112 113 123 133 143 153
S	8		43 (1) (2) (3) (4) (5)	78 (1) (2) (3) (4) (5)	113 (1) (2) (3) (4) (5)
10			_ ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·-		114 :10:20:30:40:50
11					115 :13:21:32:43:5:
12	'				
12	1	1 (1)(2)(3)(4)(5)	46 :13:23:33:43:53	81 013 (23 033 043 053	116 111 12 13 14 15
13					11 11 12 13 14 15
14			48 :12 :22 :32 :42 :52		t1 t12 t22 t32 t42 t52
15			49 :11:22:32:41:51	84 11112113-41 51	(13 (23 (32 (43 (53
17 17 12 13 14 15 15 15 15 15 17 17 13 14 15 15 15 17 12 13 14 15 15 17 12 13 14 15 15 17 12 13 14 15 17 13 14 15 18 17 12 13 14 15 18 17 12 13 14 15 18 17 12 13 14 15 13 13 13 13 13 13 13			50 :11:21:31:41:51	85 (1) (2) 33	12 112 122 132 143 15.
17 17 12 13 14 15 52 17 12 13 14 15 53 17 12 13 14 15 53 17 12 13 14 15 53 17 12 13 14 15 54 17 12 13 14 15 54 17 12 13 14 15 54 17 12 13 14 15 54 17 12 13 14 15 54 17 12 13 14 15 54 17 12 13 14 15 54 17 12 13 14 15 54 17 12 13 14 15 54 17 12 13 14 15 54 17 12 13 14 15 54 17 12 13 14 15 54 17 12 13 14 15 56 17 12 13 14 15 56 17 12 13 14 15 56 17 12 13 14 15 56 17 12 13 14 15 57 17 12 13 14 15 57 17 12 13 14 15 57 17 12 13 14 15 57 17 17 13 14 15 57 17 17 17 17 17					
17 13 12 13 14 15 52 13 14 15 53 14 15 53 14 15 53 14 15 53 14 15 53 14 15 54 14 15 54 14 1	1	6 (1) (2) (3) (4) (5)	61 112122132142152	2 12 15 42 152	121 - 12 - 12 - 13 - 14 - 15 -
18			52 113 124 133 143 6	8 [(2] (3) 41 (5)	122 (1) (2) (3) (4) (5-
19			53 11112 131 42 51		123 (1) (2) (3) (4) (5)
20				89 (1) (2) (3) (4) (5)	124 (13 (23 (33 (43 (5)
21			ı c21 🗐 ı c71	90 1111213141151	125 (12 (22 (33 (42 (5)
22					
22	2	1 :13:23:33 43:53	156 A 17-123 133 143 153	91 112122132142152	126 (13 (23 (33 (43 (5)
23			51 t13 t23 t33 t43 t53	92 11:23:3:4:65	127 (13 (23 (33 (43 (5)
24	2		58 (1) (2) (3) (4) (5)	93 (1) (2) (3) (4) (5)	128 (1)(2)(3)(4)(5)
26	2		59 (1) (2) (3) (4) (5)	94 [13 [23 [33 .43 [53	129 [13 [23 [33 [43 [5]
27				95 [13 [23 [33 [43 [53	130 [12 [2] [32 [4] [5]
27					
28	2	6 [13 [23 [33 [43 [53	61 61 613 623 633 643 663	96 (13 (23 (3) (4) (5)	131 [13 [2] [3] [4] [5]
29	2	7 [12 [22 [32 [42 [5]	62 [13 [23 [33 [43 [53	97 - 13 - 23 - 33 - 43 - 151	132 (13 (23 (33 (43 (5)
30 c13 c23 c33 c42 c53 65 c13 c22 c33 c43 c53 100 c13 c23 c33 c43 c53 135 c13 c23 c33 c43 c53 31 c13 c23 c33 c43 c53 66 c13 c22 c33 c43 c53 101 c13 c23 c33 c43 c53 136 c13 c23 c33 c43 c53 32 c13 c23 c33 c44 c53 102 c13 c23 c33 c44 c53 137 c13 c23 c33 c44 c53 33 c13 c23 c33 c43 c53 103 c13 c23 c33 c44 c53 138 c13 c23 c33 c44 c53 34 c13 c23 c33 c44 c53 104 c13 c23 c33 c44 c53 139 c13 c23 c33 c42 c53	2	8 [13 [23 [33 [43 [53	63 [1] [2] [3] [4] [5]	98 (13(21(3)(4)(5)	133 (1) (2) (3) (4) (5)
31	2	9 [1:2:2:3:4:5:	64 (1) (2) (3) (4) (5)	99 (1)(2)(3)(4)(5)	134 (1) (2) (3) (4) (5)
32	3	0 [1:2:2:3:4:5:	65 (1) (2) (3) (4) (5)	100 11112313141151	135 113 123 132 142 153
32					1
32	3	1 [1] [2] [3] [4] [5]	66 113122132143153	101	136 113121133143152
34 11 12 13 14 15 1 69 11 12 13 14 15 1 104 11 12 13 14 15 1 139 11 12 13 14 15			67 111121131141151	102 (1) (2) (3) (4) (5)	137 (11(2)(3):41:5.
34 11 12 13 14 15 1 69 11 12 13 14 15 1 104 11 12 13 14 15 1 139 11 12 13 14 15	3	3 [11 [21 [31 [42 [51	68 111121131141151	103 (13 (2) (3) (4) (5)	138 (13 (2) (3) (4) (5)
35 c12 c22 c32 c42 c52 70 c12 c22 c32 c42 c52 105 c12 c22 c32 c42 c52 140 c12 c22 c32 c42 c52			69 [1][2][3][4][5]	104 111123131141153	139 [13 [23 [32 [42 [5]
	3	5 (12 (2) (3) (42 (5)	70 [13 [23 [33 [43 [53	105 (1) (2) (3) -4) (5)	140 [13 [23 [33 [43 [5]
	L		L		