



Province of the
EASTERN CAPE
EDUCATION

**NATIONAL
SENIOR CERTIFICATE**

GRADE 12

SEPTEMBER 2014

**COMPUTER APPLICATIONS TECHNOLOGY P2
MEMORANDUM**

MARKS: 150

This memorandum consists of 11 pages.

SECTION A

QUESTION 1: MATCHING ITEMS		
1.1	I ✓	(1)
1.2	F ✓	(1)
1.3	M ✓	(1)
1.4	A ✓	(1)
1.5	N ✓	(1)
1.6	K ✓	(1)
1.7	G ✓	(1)
1.8	B ✓	(1)
1.9	S ✓	(1)
1.10	R ✓	(1)
[10]		

QUESTION 2: MULTIPLE-CHOICE QUESTIONS		
2.1	C ✓	(1)
2.2	C ✓	(1)
2.3	A ✓	(1)
2.4	B ✓	(1)
2.5	D ✓	(1)
2.6	D ✓	(1)
2.7	C ✓	(1)
2.8	B ✓	(1)
2.9	A ✓	(1)
2.10	D ✓	(1)
[10]		

QUESTION 3: MODIFIED TRUE OR FALSE

- 3.1 A web browser **plugin** is an additional piece of software that gives a web browser more functions. ✓ (1)
- 3.2 **Thrashing** is the term used to describe the rapid swapping of data between Ram and the hard drive. ✓ (1)
- 3.3 **Defragmentation** is the process where a utility rearranges the clusters on the disk so that files are saved in sequential clusters. ✓ (1)
- 3.4 **Adware** is any application that displays online advertisement on the web pages, e-mail or other Internet services. ✓ (1)
- 3.5 **Compression** is a process where files and folders are made smaller in size without losing any information. ✓ (1)
- [5]**

TOTAL SECTION A: 25

SECTION B

QUESTION 4: SYSTEMS TECHNOLOGIES

4.1	4.1.1	<ul style="list-style-type: none"> • Could have a wrist rest. • Could have split key or curved keyboards. • Soft keys • Adjustable feet on the bottom, usually at the back, etc. 	✓✓(Any 2)	2	
	4.1.2	<ul style="list-style-type: none"> • Scanners convert images or documents from hard copies to electronic copies on your computers. • These copies can be edited or sent electronically. • Electronic backups/archives, etc. 	✓✓(Any 2)	2	
	4.1.3	<ul style="list-style-type: none"> • Resolution • Zoom features • Storage capacity/storage type • Removable/non-removable lens • Battery type, etc. 	✓✓(Any 2)	2	
	4.1.4	<ul style="list-style-type: none"> • USB cables/connection • Remove and insert memory cards • Wireless such as Bluetooth/Wi-Fi/Eye-Fi, etc. 	✓✓(Any 2)	2	
	4.1.5	RFID tags are small radio devices used to store data ✓ whilst bar code devices use machine readable codes attached to goods. ✓		2	
	4.1.6	No need to physically look for the barcode and scan it with a portable scanner. ✓		1	11
4.2	4.2.1	Laser Printer ✓		1	
	4.2.2	<ul style="list-style-type: none"> • Check the wall socket for power. • Check if printer is turned on. • Check if printer has paper. • Check if printer has ink. • Check if printer is a default printer, etc. 	✓✓(Any 2)	2	
	4.2.3	• Enable higher resolution/better quality graphics. ✓		1	4
4.3	4.3.1	<ul style="list-style-type: none"> • SD • Micro SD • Mini SD • MMC • XD, etc. 	✓(Any 1)	1	

	4.3.2	Device can only be used/accessed by using a biological feature unique to the person like a fingerprint. ✓	1	4
	4.3.3	<ul style="list-style-type: none"> • Allows for portable backups • Can save/spare disk space in the computers. <p style="text-align: right;">✓(Any 1)</p>	1	
	4.3.4	USB port ✓	1	
4.4	4.4.1	A professional edition is a version of software that is designed to be used by businesses, not by home users. ✓	1	
	4.4.2	Minimum system requirements are the lowest hardware and software specifications an application needs in order to work at all, ✓ and a recommended system requirements are hardware and software specification that will enable the application to work at its best. ✓	2	6
	4.4.3	A service pack is a collection of patches released over a period of time that are combined and distributed as one single download or file. ✓	1	
	4.4.4	An activation code is a specific software based key for a computer program that certifies that the copy of the program is original. ✓	1	
	4.4.5	To test the software before buying. ✓	1	

QUESTION 5: INTERNET AND NETWORK TECHNOLOGIES

5.1	<ul style="list-style-type: none"> • Share data information • Share expensive computing devices • Manage security centrally • Central storage • Central update of software • Gaming, etc. 	✓✓(Any 2)	2	2	
5.2	<ul style="list-style-type: none"> • Less cables • Mobility of devices • Connection can be made where cables cannot be connected, etc 	✓✓(Any 2)	2	2	
5.3	5.3.1	Real time messaging is a communication method in which users communicate directly with each other without <u>any</u> delay ✓ whereas e-mail messaging is communication method where communication is delayed. ✓		2	
	5.3.2	<ul style="list-style-type: none"> • Software is always up to date. • You do not have to download or install any applications to access your resources. • Save disk space in your computer. • Share documents easily with other people. • Documents are automatically backed up by the system. • Access data from anywhere in the world over the Internet, etc. 	✓✓(Any 2)	2	
	5.3.3	<ul style="list-style-type: none"> • Sending and receiving video uses more data than audio alone. ✓ • A capped account could then run out of data quickly ✓ 		2	
	5.3.4	Web-based mail allows you to manage your mail via a web browser ✓ whilst ISP-based e-mail accounts are located on the ISP server and need e-mail client such as MS Outlook to check your e-mail. ✓		2	8
5.4	5.4.1	An e-mail hoax is a false message that describes false information ✓ and an e-mail spoofing is a process in which a criminal sends an e-mail where the sender address looks like a legitimate e-mail address, such as that of a bank. ✓		2	
	5.4.2	Spyware is malware which infects computers and secretly collects information about the user such as browsing habits. ✓		1	3
					[15]

QUESTION 6: INFORMATION MANAGEMENT

6.1	Copying any information and using it as it is your own (without acknowledging the original author). ✓		1	1
6.2	<ul style="list-style-type: none"> • Affiliation • Author • Content • Objectivity • Trustworthy • Date of publication, etc. <p style="text-align: right;">✓✓(Any 2)</p>		2	2
6.3	<ul style="list-style-type: none"> • Graphs • Functions • Formulae, etc. <p style="text-align: right;">✓✓(Any 2)</p>		2	2
6.4	6.4.1	A hit is the number of responses/websites one gets when he uses a search engine to search for information in the Internet. ✓	1	
	6.4.2	Quotation marks force the search engine to look at all the words within the quotation marks together instead of separately. ✓	1	
	6.4.3	<ul style="list-style-type: none"> • Limit the search to a certain type of information e.g. images. • Use specific words/phrases. • Use logical operators such as 'AND' • Search within date ranges. • Use specific domain/advanced search features. • Dedicated search engines, etc. <p style="text-align: right;">✓✓(Any 2)</p>	2	
6.5	A survey is a process where data is collected from individuals using questionnaires. ✓		1	1
				[10]

QUESTION 7: SOCIAL IMPLICATIONS

7.1	<ul style="list-style-type: none"> • Contributes to green computing. • People all over the world can collaborate. • Data can be transferred from one application to the other. • Employees can telecommunicate. • Saves money and time, etc. 	✓✓(Any 2)	2	2
7.2	<ul style="list-style-type: none"> • Do not share removable storage. • Do not download from suspicious websites. • Do not open e-mail from suspecting source. • Do not use pirated software, etc. 	✓✓(Any 2)	2	2
7.3	Copyright – exclusive and legal right to intellectual property such as a book or music for a period of time. ✓		1	1
7.4	7.4.1	Keyloggers are used to record every keystroke a user makes on a computer. ✓ Public computers have a higher chance of being infected due to the amount of people that use them. ✓	2	
	7.4.2	<ul style="list-style-type: none"> • One time passwords • SMS when banking accounts are entered. • Use password/username/account number or combination, etc. 	✓✓(Any 2)	4
7.5	Stop unauthorised access to or from a computer/network. ✓		1	1
				[10]

QUESTION 8: SOLUTION DEVELOPMENT

8.1	8.1.1	Column is too narrow ✓ – widen the column ✓	2	4
	8.1.2	Incorrect value used in the cell ✓ – Correct cell value or cell reference. ✓	2	
8.2	8.2.1	A break tag adds a single line space / it moves text to the next line ✓	1	3
	8.2.2	<p><p> Web </p></p> <p>Http denotes the location where the website is located. The browser was looking for the website in the folder in the computer not in the World Wide Web. ✓</p>	2	
8.3	Put the cursor on the last page ✓ and change layout to landscape applying it to this point forward. ✓ OR Add a section break before the last page ✓ and then change layout to landscape. ✓		2	2
	8.4.1	As a document is created/edited the headings will have to be moved continually (manually) to keep them at top of each page. ✓	1	2
	8.4.2	Make use of page breaks. ✓	1	
8.5	ASCII characters/insert symbols ✓		1	1
8.6	Format to no decimal – displays the rounded of number, but retains the value after the decimal point for calculations. ✓ ROUND function – rounds off the number and removes the value after the decimal point ✓		1	2
8.7	Thesaurus/synonyms ✓		1	1
				[15]
			TOTAL SECTION B:	75

QUESTION 9: INTEGRATED SCENARIO

9.1	9.1.1	<ul style="list-style-type: none"> Batteries need to be charged/replaced. Can be stolen/removed more easily. Sometimes there is interference from other wireless signals. Is more expensive. 	✓✓(Any 2)	2	
	9.1.2	<ul style="list-style-type: none"> CPU (Processor) RAM Motherboard 	✓✓(Any 2)	2	
	9.1.3	<ul style="list-style-type: none"> Blu-Ray RW ✓ will read a CD because new technology is backward compatible. ✓ 		2	
	9.1.4	<ul style="list-style-type: none"> HDMI is an interface for high definition video and sound ✓ for transferring uncompressed video data or audio data from an HDMI compliant device. ✓ 		2	
	9.1.5	<ul style="list-style-type: none"> Touch screens Specially designed keyboard, etc. 	✓✓(Any 2)	2	
	9.1.6	<ul style="list-style-type: none"> Webcam – to record images that can be transmitted over the Internet. ✓ Projector – to project images of the display onto a screen, wall to share with a large audience. ✓ 		2	
	9.1.7	<ul style="list-style-type: none"> 2.4 GHz ✓ 		1	13
9.2	9.2.1	Ubuntu12.10 ✓		1	
	9.2.2	<ul style="list-style-type: none"> No guarantee of quality or that it works correctly. Often only available from the Internet. Not as widely used. Documentation and support for open source software may not be easy to access, etc. 	✓✓(Any 2)	2	
	9.2.3	<ul style="list-style-type: none"> Can integrate between different applications within the suite. Interface is standardised across different applications. Many functions are standardised across programs. Cheaper than stand alone. Easier to manage updates, etc. 	✓✓(Any 2)	2	
	9.2.4	Speech to text/speech recognition ✓		1	
	9.2.5	PDF reader ✓		1	7

9.3	9.3.1	SSD uses flash memory instead of any moving parts ✓	1	
	9.3.2	<ul style="list-style-type: none"> • Much faster. • No moving parts. • Damages less easily. • Uses less power, etc. <p style="text-align: right;">✓✓(Any 2)</p>	2	
	9.3.3	<ul style="list-style-type: none"> • Must be connected to Internet to access data. • Use Internet data cap/bundle • Not 100% sure of data safety. • Not all cloud storage options are free, etc. <p style="text-align: right;">✓✓(Any 2)</p>	2	
	9.3.4	1024 ✓ (Note to marker: also accept 1000)	1	6
9.4	9.4.1	<ul style="list-style-type: none"> • Fax • Scan • Photocopier • Send documents as e-mail attachments, etc. <p style="text-align: right;">✓✓(Any 2)</p>	2	
	9.4.2	<ul style="list-style-type: none"> • Software • Storage space • Storage devices • Operating system • Cables versus wireless, etc. <p style="text-align: right;">✓✓(Any 2)</p>	2	
	9.4.3	ppm – this means how many papers can be printed a minute ✓	1	
	9.4.4	<ul style="list-style-type: none"> • Use print preview function before printing • E-mail instead of printing • Print both sides of the paper • Multiple pages on one paper, etc. <p style="text-align: right;">✓✓(Any 2)</p>	2	
	9.4.5	Printer spooling means that print jobs are placed in a queue to be done as they finish. ✓	1	
	9.4.6	<ul style="list-style-type: none"> • Cancel a print job. • Pause a print job. • Alter priority of printing jobs. <p style="text-align: right;">✓✓(Any 2)</p>	2	10

9.5	9.5.1	<ul style="list-style-type: none"> • Mobility • Cap/Data use • Coverage/Availability • Speed of connection • Cost 	✓✓(Any 2)	2	
	9.5.2	<ul style="list-style-type: none"> • Permanent connection. • You can make calls and receive calls and use the line for Internet access at the same time. • Most ADSL modem routers have Wi-Fi access. 	✓✓(Any 2)	2	
	9.5.3	<ul style="list-style-type: none"> • Preferably need a fast, reliable Internet connection. • You no longer have full control of security/control of your data. • You may have to pay for using the services. • The software might not have all features of desktop software. • Possible downtime/possible server outages. • Dependence on the vendor/service provider, etc. 	✓✓(Any 2)	2	
	9.5.4	<ul style="list-style-type: none"> • E-mail services • Real time services • VOIP • Video conferencing • Cloud computing, etc. 	✓✓(Any 2)	2	
	9.5.5	<ul style="list-style-type: none"> • Renewal of TV licenses • Election information • Unemployment Insurance Fund • Educational publications • Tax returns 	✓✓(Any 2)	2	
	9.5.6	A computer zombie – is a computer that has been taken over by a criminal and is controlled from a different location. ✓✓		2	
	9.5.7	<ul style="list-style-type: none"> • Can use the software in any computer as long as you are connected to the Internet. • Software is always up to date. • No need to download or install application, etc. 	✓✓(Any 2)	2	14
				TOTAL SECTION C:	50
				GRAND TOTAL:	150

9.5	9.5.1	<ul style="list-style-type: none"> • Dragbaarheid • Maksimum dataverbruik • Besikbaarheid/dekking • Spoed van konneksie • Koste 	✓ (Enige 2)	2
	9.5.2	<ul style="list-style-type: none"> • Permanente konneksie • Jy kan oproepe maak en die lyn gebruik vir internettoegang op dieselfde tyd. • Meeste ADSL roeteerders het Wi-Fi toegang. 	✓ (Enige 2)	2
	9.5.3	<ul style="list-style-type: none"> • Verkiesslik in vinnige, betroubare internetkonneksie. • Jy het nie volle beheer oor die sekuriteit van jou data nie. • Jy mag dalk moet betaal vir die dienste. • Die sagteware mag dalk nie al die eienskappe van ander sagteware hê nie. • Moontlike tydperke waar die bediener af is. • Moet staat maak op/afhanklik van diensverskaffer, ens. 	✓ (Enige 2)	2
	9.5.4	<ul style="list-style-type: none"> • E-pos dienste • Reële tyd dienste • VOIP • Video-konferensie • Volkrekenarisering, ens. 	✓ (Enige 2)	2
	9.5.5	<ul style="list-style-type: none"> • Hernuwing van TV-lisensies • Verkiessingsinligting • Werkloushedsversekeringsfonds • Onderwyspublikasies • Belastingopgawes 	✓ (Enige 2)	2
	9.5.6	<ul style="list-style-type: none"> • In Rekenaar "zombie" is in rekenaar wat oorgeneem is deur in krimineel en beheer word vanaf in ander plek. ✓ 		2
	9.5.7	<ul style="list-style-type: none"> • Kan die sagteware op enige rekenaar gebruik vir so lank dit aan die internet gekoppel is. • Sagteware is altyd op datum. • Hoef nie afgelaai en installeer word nie, ens. 	✓ (Enige 2)	2
	TOTAAL AFDELING C: 50			
	GROOTTOTAAL: 150			

9.3	9.3.1	SSD gebruik vlugeteue in plaas van bewegende dele ✓	1
	9.3.2	<ul style="list-style-type: none"> • Baie vinniger. • Geen bewegende dele. • Breek nie so maklik nie. • Gebruik minder krag, ens. 	2 ✓ (Enige 2)
	9.3.3	<ul style="list-style-type: none"> • Moet aan die internet gekoppel wees om toegang tot data te verkry. • Gebruik jou internetbوند. • Nie 100% seker van data veiligheid. • Nie al die wolksstoorplekke is gratis nie, ens. 	2 ✓ (Enige 2)
	9.3.4	1024 ✓	1
6		(Nota aan merker: aanvaar ook 1000)	1
9.4	9.4.1	<ul style="list-style-type: none"> • Faks • Attaster • Fotostaatmasjien • Stuur van dokumente as e-pos aanhegels, ens. 	2 ✓ (Enige 2)
	9.4.2	<ul style="list-style-type: none"> • Sagteware • Stoorplek • Stoorsteel • Bedryfstelsel • Kabels teenoor draadloos, ens. 	2 ✓ (Enige 2)
	9.4.3	ppm – dit beteken hoeveel bladsye per minuut gedruk kan word ✓	1
	9.4.4	<ul style="list-style-type: none"> • Gebruik die drukvoorskou funksie. • E-pos in plaas van drukwerk. • Druk beide kante van die bladsy. • Veelvoudige bladsye op een bladsy, ens. 	2 ✓ (Enige 2)
	9.4.5	Tussentydse databuffering beteken dat drukinstruksies in 'n ry gepaas word en gedoen word een na die ander. ✓	1
	9.4.6	<ul style="list-style-type: none"> • Kanselleer 'n drukinstruksie. • Stop 'n drukinstruksie. • Verander belangrikheid van drukinstruksies. 	2 ✓ (Enige 2)
10			10

7	1		9.2.5	PDF-leser ✓	
	1		9.2.4	Spraak na teks/spraakherkenning ✓	
	2	✓ (Enige 2)	9.2.3	<ul style="list-style-type: none"> • Kan data tussen toepassings intgreer. • Koppelvlak is standaard oor verskillende toepassings. • Baie funksies is standaard oor programme. • Goedkoper as aparte programme. • Makliker om opdatings te organiseer, ens. 	
	2	✓ (Enige 2)	9.2.2	<ul style="list-style-type: none"> • Geen waarborg van kwaliteit of dat dit reg werk nie. • Gewoonlik net beskikbaar op die internet. • Word nie so wyd gebruik nie. • Dokumentasie en ondersteuning vir oopbron sagteware mag moeilik bekombaar wees, ens. 	
	1		9.2	9.2.1 Ubuntu 12.10 ✓	
	13	1		9.1.7	• 2.4 GHz ✓
		2		9.1.6	<ul style="list-style-type: none"> • Webkamera – om prente vas te lê en oor die internet te stuur. ✓ • Projektor – om prente te vertoon op 'n groot skerm, muur om dit te deel met 'n groot groep toekouers. ✓
		2	✓ (Enige 2)	9.1.5	<ul style="list-style-type: none"> • Raakskerm • Spesiaal ontwerpte sleutelbord, ens.
		2		9.1.4	<ul style="list-style-type: none"> • HDMI is 'n koppelvlak vir hoë definisie video en klank ✓ vir oordra van video- en klankdata wat nie saamgepers word nie na 'n HDMI aanpasbare toestel. ✓
		2		9.1.3	<ul style="list-style-type: none"> • Blu-Ray RW ✓ sal 'n CD lees want nuwe tegnologie is agteruit versoenbaar. ✓
		2	✓ (Enige 2)	9.1.2	<ul style="list-style-type: none"> • SVE (Verwerker) • LSG • Moederbord
		2	✓ (Enige 2)	9.1.1	<ul style="list-style-type: none"> • Battery benodig om gelaai/vervang te word. • Kan makliker gesteel/verwyder word. • Partykeer is daar inmenging van ander seine. • Is duurder.

VRAAG 9: GEÏNTEGREERDE SCENARIO

8.1	8.1.1	Kolom is te smal ✓ – maak die kolom wyer ✓	2	
	8.1.2	Verkeerde waarde gebruik in die sel ✓ – Maak die waarde in die sel of selverwysing reg. ✓	2	4
8.2	8.2.1	n"Break tag" voeg n enkele lynspasie / skuit teks na die volgende lyn. ✓	1	
	8.2.2	<p> Web </p> Http verwys na die plek waar die webtuiste gestoor word. Die deurlaier soek na die webtuiste in die lêer op die rekenaar in plaas van die Wêreldwye web. ✓	2	3
8.3		Plaas die wyser op die laaste bladsy ✓ en verander die uitleg na landskap vanaf daardie punt en vorentoe. ✓ OF Voeg n seksiebreuk by voor die laaste bladsy ✓ en verander dan die uitleg na landskap. ✓	2	2
8.4	8.4.1	As die dokument geskep of geredigeer word sal die opskrifte gereeld geskuiw moet word (met die hand) om dit boaan elke bladsy te hou. ✓	1	
	8.4.2	Maak gebruik van bladsybreuke. ✓	1	2
8.5		ASCII karakters/voeg simbole by. ✓	1	1
8.6		Formateer na desimaal – vertoon die nommer, maar hou die waarde na die desimale punt vir berekeninge. ✓ ROUND-funksie – rond die nommer af en verwyder die waarde na die desimale punt. ✓	1	2
8.7		Thesaurus/sinonieme ✓	1	1
				[15]
				75
TOTAAL AFDELING B:				

VRAAG 8: OPLOSSINGONTWIKKELING

7.1	<ul style="list-style-type: none"> • Dra by tot groen rekenariseriing. • Mensse regoor die wêreld kan saam werk. • Data kan maklik van een toepassing na 'n ander gestuur word. • Werknemers kan telekommunikasie beoefen. • Spaar tyd en geld, ens. 	✓ (Enige 2)	2	2
7.2	<ul style="list-style-type: none"> • Moet nie draagbare stoorapparate deel nie. • Moet nie van verdagte webstuiestes gebruik maak nie. • Moet nie e-pos oopmaak van verdagte afkoms nie. • Roofkopiering van sagteware, ens. 	✓ (Enige 2)	2	2
7.3	Kopiereg – eksklusiewe en wettige regte tot intellektuele eiendom soos 'n boek of musiek vir 'n vasgestelde tydperk. ✓		1	1
7.4	7.4.1 Steutelvasleggers ("Keyloggers") word gebruik om elke sleutel wat op die rekenaar gebruik word vas te lê. ✓ Publike rekenaars het 'n hoër kans om besmet te wees omdat baie meer mense dit gebruik. ✓		2	
	7.4.2 <ul style="list-style-type: none"> • Wagwoorde wat net een keer gebruik kan word. • SMS wanneer bankrekeninge gebruik word. • Gebruik wagwoord/verbruikernaam/rekeningnummer of kombinasie daarvan, ens. 	✓ (Enige 2)	2	4
7.5	Verhoed ongemagtigde toegang van of tot 'n rekenaar/netwerk. ✓		1	1
				[10]

VRAAG 7: SOSIALE IMPLIKASIES

6.1	Kopieer van enige inligting wat dan gebruik word asof dit jou eie is (sonder om die oorspronklike outeur te erken). ✓	1	1	
6.2	<ul style="list-style-type: none"> • Affiliase • Outeur • Inhoud • Objektiviteit • Betroubaarheid • Datum van publikasie, ens. 	2	2 ✓(Enige 2)	
6.3	<ul style="list-style-type: none"> • Grafiek • Funksies • Formules, ens. 	2	2 ✓(Enige 2)	
6.4	6.4.1	n "Hit" is die hoeveelheid webtuistes/antwoorde wat jy kry indien jy n soekenjin gebruik om die internet te deursoek. ✓	1	
	6.4.2	Aanhalingstekens dwing die soekenjin om vir al die woorde te soek in die aanhalingstekens in plaas van apart. ✓	1	
	6.4.3	<ul style="list-style-type: none"> • Beperk die soektog tot n sekere tipe inligting bv. prentjies. • Gebruik spesifieke woorde/frases. • Gebruik logiese operateurs soos 'AND' • Soek tussen seker datums • Gebruik spesifieke domein/gevorderde soekmetodes. • Toegewyde soekenjins, ens. 	2	4 ✓(Enige 2)
6.5	n Proses waar data vanaf individuele mense verkry word d.m.v. vraelyste. ✓	1	1	
			[10]	

VRAAG 6: INLIGTINGBESTUUR

5.1	<ul style="list-style-type: none"> • Deel van data/inligting • Deel van duur hardeware • Bestuur sekuriteit sentraal • Sentrale stoorplek • Sentrale opdatering van sagteware • Spelertjies, ens. 	✓✓(Enige 2)	2		
5.2	<ul style="list-style-type: none"> • Minder kables • Draagbaarheid van toestelle • Konneksie kan gemaak word in plekke waar kables nie kan kom nie, ens. 	✓✓(Enige 2)	2		
5.3	5.3.1	Reële tyd boodskappe is 'n kommunikasiemetode waar verbruikers direk kan kommunikeer met mekaar sonder enige vertraging ✓ waar e-pos boodskappe as 'n kommunikasie-metode gewoonlik verdraag is. ✓	2		
	5.3.2	<ul style="list-style-type: none"> • Sagteware is altyd opgedateer. • Jy hoef nie enige programme af te laai en installeer nie. • Spaar stoorplek op jou rekenaar. • Deel dokumente maklik met ander mense. • Dokumente word outomaties deur die stelsel gerugsteun. • Toegang tot data van enige plek wêreldwyd oor die internet, ens. 	2		
	5.3.3	<ul style="list-style-type: none"> • Stuur en ontvang van video gebruik maar data as net klank. ✓ • In beperkte internetrekening kan vinnig opraak. ✓ 	2		
	5.3.4	Web-gebaseerde e-pos kan vanuit 'n webdeurblaaiër gekyk word ✓ waar IDV-gebaseerde e-pos op 'n IDV-bedieners gestoor word en met 'n e-pos klient soos MS Outlook afgeleai moet word. ✓	2		
5.4	5.4.1	'n E-pos 'hoax' is 'n onware boodskap wat onware inligting bevat ✓ en 'n e-pos frouensery is 'n proses waar die e-pos adresse lyk of dit vanaf 'n wettige adres kom soos bv. 'n bank. ✓	(2)		
	5.4.2	Spioenware is sagteware wat rekenaars infekteer en in geheim inligting bymekaar maak soos webtuistes wat besoek word. ✓	(1)		
[15]					

VRAAG 5: INTERNET-EN NETWERKTEGNOLOGIE

		4.3.2	Toestel kan net gebruik word deur die persoon deur 'n unieke biometriese eienskap soos 'n vingerafdruk te gebruik. ✓	1				
		4.3.3	<ul style="list-style-type: none"> • Draagbare rugstene • Kan stoor/skyfspasie op die rekenaar spaar. 	1	✓ (Enige 1)			
		4.3.4	USB poort ✓	1				
4.4	4.4.1	n "Professional" weergawe is n weergawe van die tipe sagteware wat bedoel is vir besighede, nie tuisverbruikers nie. ✓	1					
	4.4.2	Minimum stelselveristes is die minste hardeware en sagteware wat n program benodig om te kan werk, ✓ en voorgestelde spesifikasies is wat benodig is vir die program om optimaal te funksioneer. ✓	2					
	4.4.3	n Dienepakket is n versameling regstellings ('patches') wat oor n tydperk wat gekombineer word en as een lêer afgelaai/versprei word. ✓	1					
	4.4.4	n Aktiveringskode is n spesifieke sagteware gebaseerde sleutel wat aan n program aandui dat die program wetlig is. ✓	1					
6	4.4.5	Om sagteware te toets voor dit aangekoop word. ✓	1					
								[25]

AFDELING B

VRAAG 4: STELSELTEKNOLOGIE

4.1	4.1.1	<ul style="list-style-type: none"> • Kan 'n rusplek vir gewrigte hê. • Kan 'n gesplete of kurwe sleutelbord hê. • Sagte sleutels. • Aanpasbare voete onder die sleutelbord, gewoonlik agter, ens. 	2	✓✓ (Enige 2)	11
4.1	4.1.2	<ul style="list-style-type: none"> • Attasters verander prentjies of dokumente vanaf harde kopies na elektroniese kopies op die rekenaar. • Hierdie kopieë kan dan elektronies verander en gestuur word. • Elektroniese rugsteun/agriewe, ens. 	2	✓✓ (Enige 2)	11
4.1	4.1.3	<ul style="list-style-type: none"> • Resolusie • Zoem eienskappe • Stoor kapasiteit/stoorplek-tipe • Verwyderbare/vaste lens • Battery tipe, ens. 	2	✓✓ (Enige 2)	11
4.1	4.1.4	<ul style="list-style-type: none"> • USB kables/konneksie • Verwyder en gebruik gehoue kaart • Draadloos soos Bluetooth / Wi-Fi / Eye-Fi, ens. 	2	✓✓ (Enige 2)	11
4.1	4.1.5	<ul style="list-style-type: none"> • RFID merkers('tags') is klein radio-toestelle wat data kan stoor • terwyl 'n streepieskode masjiene gebruik om die kode te lees. ✓ 	2	✓	11
4.1	4.1.6	<ul style="list-style-type: none"> • Hoef nie fisies die streepieskode te soek en met 'n draagbare, skandeerder te skandeer nie. ✓ 	1	✓	11
4.2	4.2.1	<ul style="list-style-type: none"> • Laserdrukker ✓ 	1	✓	4
4.2	4.2.2	<ul style="list-style-type: none"> • Kyk of muurpropkrag het. • Kyk of drukker aangeskakel is. • Kyk of daar papier is. • Kyk of die drukker ink het. • Kyk of die drukker die bestekdrukker is ("Default"), ens. 	2	✓✓ (Enige 2)	4
4.2	4.2.3	<ul style="list-style-type: none"> • Kan hoër resolusie hanteer / beter kwaliteit grafika. ✓ 	1	✓	4
4.3	4.3.1	<ul style="list-style-type: none"> • SD • Mikro SD • Mini SD • MMC • XD, ens. 	1	✓ (Enige 1)	4

AFDELING A

VRAAG 1: PAS-ITEMS		
1.1	I ✓	(1)
1.2	F ✓	(1)
1.3	M ✓	(1)
1.4	A ✓	(1)
1.5	N ✓	(1)
1.6	K ✓	(1)
1.7	G ✓	(1)
1.8	B ✓	(1)
1.9	S ✓	(1)
1.10	R ✓	(1)

[10]

VRAAG 2: MEERVOUDIGEKEUSE -VRAE		
2.1	C ✓	(1)
2.2	C ✓	(1)
2.3	A ✓	(1)
2.4	B ✓	(1)
2.5	D ✓	(1)
2.6	D ✓	(1)
2.7	C ✓	(1)
2.8	B ✓	(1)
2.9	A ✓	(1)
2.10	D ✓	(1)

[10]

VRAAG 3: WAAR OF ONWAAR MET HERSKRYPING

- 3.1 n Webdeurblaier 'plugin' is 'n ekstra stuk sagteware wat 'n web-deurblaier meer funksies verleen. ✓ (1)
- 3.2 'Thashing' is die term wat gebruik word vir die vinnige ruil van data tussen die LSG en die hardeskyf. ✓ (1)
- 3.3 'Defragmentasie' is die proses waar 'n program die gedeeltes op 'n hardeskyf rangskik sodat al die opeenvolgende bondels gedeeltes bymekaar gestoor word. ✓ (1)
- 3.4 'Adware' is 'n tipe toepassing wat aanlyn advertensies op webblaaie, e-pos en ander internetdienste vertoon. ✓ (1)
- 3.5 'Samepersing' is 'n proses waar leërs en gidse kleiner gemaak word sonder om enige inligting te verloor. ✓ (1)

[5]

TOTAAL AFDELING A: 25

Hierdie memorandum bestaan uit 11 bladsye.

PUNTE: 150

**REKENAARTOEGEFASINGSTEGNOLOGIE V2
MEMORANDUM**

SEPTEMBER 2014

GRAAD 12

**NASIONALE
SENIOR SERTIFIKAT**

