

**GAUTENG DEPARTMENT OF EDUCATION
PREPARATORY EXAMINATION**

**COMPUTER APPLICATIONS TECHNOLOGY
(Second Paper: Theory)**

POSSIBLE ANSWERS

QUESTION 1

1.1 D

1.2 B

1.3 C

1.4 B

1.5 B

1.6 A

1.7 B

1.8 D

1.9 C

1.10 D

(10)

QUESTION 2

2.1 L

2.2 G

2.3 N

2.4 M

2.5 J

2.6 K

2.7 D

2.8 F

2.9 E

2.10 I

(10)

QUESTION 3

3.1.1	Group of computers connected ✓ Communication media(cable or wireless) ✓ Shared resources(hardware, software, data, information, etc.) ✓	3	14
3.1.2	Any THREE of: ✓✓✓ Network cables (UTP, Fibre optic; etc.) Wireless network connection Network Interface Card Hub/Switch Etc (Any other device used for network connection)	3	
3.1.3	Any two of: ✓✓ Power failures/dip- Dependant on electricity More expensive Expertise not available Setting up of network is time consuming and cumbersome	2	
3.1.4	Any two of: ✓✓ Hardware resources can be shared effectively Software resources can be shared Faster to communicate with the different venues Share data and information speedily	2	
3.1.5(a)	CD-R 700 MB ✓ DVD R 4.7 GB or 8.4 GB ✓	2	
3.1.5(b)	Any ONE of: ✓ Able to erase files/information on the flash disk CD-R permanently stores the data/information	1	
3.1.6	LAN	1	
3.2.1	Laptop: Portability – Computer-generated presentations at different venues ✓ and battery life in case of no electricity ✓ Data Projector: Presentation can be presented professionally using your laptop ✓	3	14
3.2.2	Application Software: Group of programs to perform specific task MS Office Vista✓✓ Operating System Software: Intended to control, support or operate the computer, MS Windows Vista ✓✓	4	
3.2.3	2048 MB✓	1	
3.2.4	Any THREE of: ✓✓✓ Cellular technology Voice and Data communication Offer high-speed Internet access High quality data, video and music services using cellular network	3	
3.2.5	Any TWO of: ✓✓ Short range wireless connection Data transfer between devices Does not have to be within line of signal Able to transmit through non-metal objects such as walls AND Signal up to maximum of 10 metres ✓	3	

3.3	A camera that feeds live images✓ to a web server ✓	2	2
3.4	3 years carry in and collect by the customer ✓ Repair only and not replace the computer system ✓	2	2
3.5	Fingerprint scanner for secure access /log in to the computer system	1	1
	TOTAL		33

QUESTION 4

4.1.1	Design and layout ✓✓	2	4
4.1.2	Any TWO of: ✓✓ Ergonomically designed equipment, keyboard, etc Frequent Breaks, etc.	2	
4.2.1	Data cards give you instant access to wide area coverage, Internet access, email, etc. ✓ on your mobile devices✓	2	7
4.2.2	Any TWO of: ✓✓ Personal websites Newsletters or columns Publish thoughts on a website Blogs have readers or participants AND Any ONE of: ✓ Publish a newsletter for the event Create a website to promote the event	3	
4.2.3	Any ONE of: ✓ (a) Identity Theft Fraudulent transactions, etc. Any ONE of: ✓✓ (b) 24 hours banking 7 days per week Transfer funds electronically at your leisure Don't have to stand in long queues – save time, etc. Faster and costs less, etc.	2	
4.3.1	Any TWO of: ✓✓ It's fast - Messages can be sent anywhere around the world in an instant It's cheap - Transmission usually costs nothing, or at the most, very little It's simple - Easy to use, after initial set-up It's efficient - Sending to a group can be done in one step It's versatile - Pictures, powerpoints or other files can also be sent NB There must be an explanation	2	10

4.3.2	Any TWO of: ✓✓ Cookies Keyloggers etc.	2	
4.3.3	Looks for 'signature' in software/cookies/websites✓ and removes it	2	
4.3.4 (a)	Any TWO of: ✓✓ Collective name for a category of software Malicious intent for the computer system Infiltrate computers without authorisation Damage the computer system Corrupt data Steal data/identity Any ONE Example of: ✓✓ Viruses Spyware Adware Trojan Horses Worms Rootkits, etc.	3	
(b)	Auto protect feature is enabled	1	
	TOTAL		21
QUESTION 5			
5.1.1	Any TWO of: ✓✓ Change the orientation of the page to landscape Reduce the left and right margins Reduce the width of the columns in the table Use the AutoFit function	2	10
5.1.2	Any TWO of: ✓✓ Give more detailed explanation Make comments on certain statements Refer to the source from which certain facts were obtained Supply the name of the person who is quoted	2	
5.1.3	Find and Replace ✓	1	
5.1.4	Change the wrapping option to tight	1	
5.1.5	Format and Columns ✓	1	
5.1.6	Any TWO of: ✓✓ Compatible Across platforms Compact and Small Can be created from any source document/application Secure, almost no chance of getting infected with viruses. Securable, avoid people from modifying and redistributing your work Easy and quick to create when using the right software Software to view PDF Files is completely free Viewable within most web-browsers Compatible with modern portable reader systems	2	
5.1.7	Any ONE of : ✓ HTM HTML	1	

5.2.1	Any TWO of: ✓✓ Size, weight and price Hard disk, DVDs, Tapes, Cassettes, etc. New compression system High definition System Compatibility with Home Devices Quality of the lenses etc.	2	8
5.2.2(a)	Copy of information/data/programs from a storage medium to a CD or DVD ✓✓	2	
(b)	DVD	1	
(c)	No. ✓ Because you are recording the events of a school function ✓ and not copyright software ✓	3	
5.3.	Any Two of: ✓✓ Passwords Spyware Anti-virus software Firewall, etc.	2	2
5.4.1	Any TWO of: ✓✓ USB Bluetooth Infrared etc.	2	4
5.4.2	Any TWO of: ✓✓ Smaller/Lighter – fits in pocket Longer battery life Faster to start-up/switch off Can also be used as a cellphone etc.	2	
TOTAL			24

QUESTION 6

6.1.1	Any TWO of: ✓✓✓ Name and Surname Tel Address Levy etc.	3	7
6.1.2	Uniquely identifies the record information ✓ Any ONE of: ✓ Contact information Levy paid or not, etc.	2	
6.1.3	Any TWO of: ✓✓ Validation rule Validation Text Input mask	2	
6.2	Any TWO of: ✓✓ Switch off devices not in usage Switch off computers at the end of the working day Purchase flat screen monitors sleep/standby when you're not using your computer Purchase a newer processor (Core Duo etc.) Go offline if you are not using the Internet etc.	2	2

6.3.1	Any TWO of: ✓✓ Purchases can be done any time of the day Do not have to travel distances Products are cheaper – overhead cost low Compare prices Consumer can search for products from many companies etc.	2	4
6.3.2	Any TWO of: ✓✓ Waiting period for the delivery of the goods Goods can be damaged in transit Identity theft See only a photo of the product Fraudulent transactions etc.	2	
6.4	Any THREE of: ✓✓✓ Date created Check information against other information obtained Company/author(s) of the website Use reputable websites etc.	3	3
6.5	Any TWO of: ✓✓ Donate old computers Donate software Have ICT skills workshops ICT Textbooks etc.	2	2
	TOTAL		18

QUESTION 7

7.1.1	Any ONE of: ✓ Not connected or not working. Try plugging and unplugging Buy a new keyboard Etc.	1	
7.1.2	Any ONE of: ✓ Removed jammed paper No Paper insert more paper Insert new ink cartridges, etc.	1	
7.1.3	Any ONE of: ✓ Compress the files before saving it Delete unwanted files from the hard disk Diskcleanup Uninstall programs etc.	1	6
7.1.4	Any ONE of: ✓ Record at a lower speed Close all other programs as well as screen savers Defrag the hard disk CD/DVD and the writer must be dust free, etc.	1	
7.1.5	Change the attribute of the read-only file ✓	1	
7.1.6	Defrag the hard disk Increase internal memory SIMMS/DIMMS/RAM Insert a faster processor, etc.	1	

7.2.1	Combination of formatting attributes ✓ Four type of styles – paragraph, character, table and styles for list✓	2	4
7.2.2	Any TWO of: ✓✓ Document will have a professional look More readable and presentable Document will have a consistent look etc.	2	
7.3.1	Mail merge ✓	1	2
7.3.2	Database✓	1	
7.4	Any THREE of: ✓✓ Keep the form simple Do not ask more information than what is really necessary Make sure that there is enough space to write in The user must know immediately what to do Keep the sequence of information that must filled in logical order	3	3
7.5	Proprietary software Any TWO of: ✓✓ – The source code is not made known to others – User buys these programs – Receive licence with them – Protected by copyright Public domain Any TWO of: ✓✓ – Not protected by copyright – Freely available – Cannot apply patent or copyrights	4	4
	TOTAL		19

QUESTION 8

8.1.1	Any TWO of: ✓✓ Lured into contact by paedophiles Too much time spent on MXit neglecting other activities Lured into giving personal information, etc.	2	3
8.1.2	Any ONE of: ✓ Share subject information with classmates/teachers etc Teacher can provide solutions to learners on their cellphones at a low cost, etc.	1	
8.2	Video Conferencing ✓ Any TWO of: ✓✓ Online conference using computer network Video camera Voices and images transferred over the network Monitors to view images	3	3
8.3.1	Nested if ✓	1	7
8.3.2(a)	A division by zero error. ✓ Ensure that the denominator in the formulae is not 0	2	
(b)	The cell size is to small to hold the value ✓ Increase the width of the cell ✓	2	
(c)	Text must be placed in double quotation and not single quotation.	2	
8.4	Cell reference is relative to the cells where the function or formula is typed ✓ Insert the \$ sign before the column letter and row number ✓	2	2
	TOTAL		15
	GRAND TOTAL		150