



Province of the  
**EASTERN CAPE**  
 EDUCATION

**DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)**

**HOME SCHOOLING ASSESSMENT 23 ANSWER SHEET**

<b>SUBJECT</b>	COMPUTER APPLICATIONS TECHNOLOGY	<b>GRADE</b>	12	<b>DATE</b>	28/8/20
<b>TOPIC</b>	Assessment 23: Integrated Scenario	<b>TERM 2 REVISION</b>		<b>TERM 4 CONTENT</b>	✓

1	<p><i>Any TWO ✓✓</i></p> <ul style="list-style-type: none"> <li>• The reader can read tags that are moving past/do not have stop and wait to be scanned.</li> <li>• Hidden tags can also be read.</li> <li>• Can read more than one tag at a time.</li> <li>• Tags can be read from a greater distance than barcodes.</li> <li>• Automated checking for tags, codes have to be scanned.</li> <li>• Better control/security with tags.</li> </ul>	(2)	2
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2.1	<p><i>Any ONE ✓</i></p> <p>Be able to:</p> <ul style="list-style-type: none"> <li>• Detect objects in all directions</li> <li>• Navigate</li> <li>• Park the vehicle</li> <li>• Start the vehicle</li> </ul> <p><i>Accept: any other acceptable task.</i></p>	(1)	
2.2	<p><i>Any TWO ✓✓</i></p> <ul style="list-style-type: none"> <li>• Sensors</li> <li>• Antennae</li> <li>• Receivers/Microphone</li> <li>• Video cameras</li> <li>• Storage device</li> <li>• Computing device</li> <li>• Robotic device</li> <li>• Biometric scanner</li> </ul> <p><i>Accept: any other acceptable option.</i></p>	(2)	

2.3	<p><i>Any ONE ✓</i></p> <ul style="list-style-type: none"> <li>• Malfunctioning of the system</li> <li>• Expensive system</li> <li>• Liability issues</li> <li>• Susceptible to hacking</li> </ul> <p><i>Accept: any other valid reason.</i></p>	(1)	4
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3.1	<p><i>Any ONE ✓ (1 mark for impact) ✓ (1 mark for explanation)</i></p> <ul style="list-style-type: none"> <li>• Loss of working time – while viruses and pop up messages are removed and software is reloaded.</li> <li>• Loss of business services – due to a DOS attack, hardware theft or disruption of a network.</li> <li>• Financial losses/victim will be left with bills, charges and a damaged credit record – phishing/hacking.</li> <li>• Loss of confidence and trust in the business – privacy/negative social media.</li> </ul> <p><i>Accept any other negative influence on the business.</i></p>	(2)	4
3.2	<p>A website is made unavailable ✓ by many computers requesting data from the site at the same time. ✓</p> <p style="text-align: center;"><b>OR</b></p> <p>Servers become overloaded due to many requests.</p>	(2)	

4	<p><i>Any TWO ✓✓</i></p> <ul style="list-style-type: none"> <li>• Recycle old computers</li> <li>• Reuse parts/donate</li> <li>• Switch off when not in use</li> <li>• Refill ink cartridges</li> <li>• Do not print unnecessarily/do not waste paper</li> <li>• Get rid of e-waste in a responsible manner</li> <li>• Use energy efficient designs/hardware</li> </ul>	(2)	2
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5.1	<p>A public area where Internet access ✓ is available through a wireless/free/not password protected ✓ Internet connection.</p>	(2)	3
5.2	<p><i>Any ONE ✓</i></p> <ul style="list-style-type: none"> <li>• Equitable use of the data</li> <li>• To prevent misuse of the Wi-Fi network</li> <li>• Cost to the school</li> <li>• Making large uploads/downloads</li> </ul> <p>Also accept:</p> <p>The number of users could slow down the connection.</p>	(1)	

6.1	<p><i>Any THREE ✓✓✓</i></p> <ul style="list-style-type: none"> <li>• Phone numbers</li> <li>• Address</li> <li>• School</li> <li>• E-mail address</li> <li>• Financial information e.g. bank details, pin numbers</li> </ul> <p><i>Any other relevant answer.</i></p>	(3)	
6.2	<p><i>Any TWO ✓✓</i></p> <ul style="list-style-type: none"> <li>• Hacker</li> <li>• Cracker</li> <li>• Virus Author</li> <li>• Cybergang</li> <li>• Spammer</li> <li>• Phishers</li> <li>• Scammers</li> </ul>	(2)	5
7.1	Field size ✓	(1)	5
7.2	Default value ✓	(1)	
7.3	Validation rule ✓	(1)	
7.4	Input mask ✓	(1)	
7.5	Required field ✓	(1)	
			<b>[25]</b>