Province of the

EASTERN CAPE

EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING ASSESSMENT 22

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	21/8/20
TOPIC	Assessment 22: Integrated Scenario	TERM 2 REVISION		TERM 4 CONTENT	✓
TIME ALLOCATION	45 minutes (25 marks)	**TIPS TO KEEP HEALTHY**			
INSTRUCTIONS	1. You will need a book to write your answers in and something to write with. 2. Answer the following questions in your workbook in full sentences where applicable. 3. Do not refer back to your textbook while answering these questions.	1. **WASH YOUR HANDS** thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%. 2. **PRACTICE SOCIAL DISTANCING** – keep a distance of 1m away from other people. 3. **PRACTISE GOOD RESPIRATORY HYGIENE**: cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use. 4. **TRY NOT TO TOUCH YOUR FACE.** The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick. 5. **STAY AT HOME.**			

Your school is planning to roll out tablets to be used in the class. The school needs your support to make this transition smooth with the help of ICTs (Information and Communication Technologies).

1   The following are specifications of a tablet the school would like to purchase.

Technical Specifications:

1.3GHz Spreadtrum T-Shark quad-core processor
1 GB of system memory
7" touchscreen, 1024 x 600 resolution
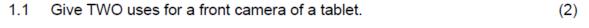Built-in 802.11b/g/n Wi-Fi and Bluetooth v4.0:
2 MP camera Wi-Fi
Direct micro USB
2.0 port
SIM card slot 16 GB eMMC
Up to 64 GB 8 GB onboard storage memory, additional memory via micro SD card slot
Speakers

1.1	Give TWO uses for a front camera of a tablet.	(2)
1.2	What does it mean when the tablet is both Wi-Fi and SIM Card enabled?	(2)
1.3	Give the name of the specification that 1024 x 600 refers to.	(1)
1.4	Explain what the term *micro SD* refers to, and what the purpose of the micro SD is.	(2)
1.5	What is meant by a *quad-core processor* and what is the significance of such a processor?	(2)

2   When used in a classroom, tablets have both advantages and disadvantages.

2.1	Name TWO tasks associated with teaching and learning in the class that can best be done by using a tablet.	(2)
2.2	Give TWO ways in which educators can make sure that their learners are unable to access inappropriate websites while 'surfing' the web.	(2)
2.3	Name TWO ways in which the use of tablets in class can promote 'green computing'.	(2)
2.4	Some sight impaired learners are struggling with viewing work on the tablets due to the size of the screen.	
	Recommend TWO solutions how this challenge can be overcome.	(2)

3   ISPs offer data bundles which provide different limitations in the amounts of data that can be downloaded and uploaded in a month.

    3.1   Why is it better for the school to have uncapped data? (2)

    3.2   Explain the difference between a *hard cap* and a *soft cap*. (2)

4   The school should have a backup policy.

    4.1   Name TWO measures that should be included in such a policy. (2)

    4.2   Name TWO advantages of dedicated backup programs. (2)

[25]