



Province of the  
**EASTERN CAPE**  
EDUCATION

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

**HOME SCHOOLING ASSESSMENT 8**

<b>SUBJECT</b>	COMPUTER APPLICATIONS TECHNOLOGY	<b>GRADE</b>	12	<b>DATE</b>	22/05/20
<b>TOPIC</b>	Assessment 8: Information Management	<b>TERM 2 REVISION</b>		<b>TERM 3 CONTENT</b>	✓
<b>TIME ALLOCATION</b>	45 minutes (27 marks)	<b><u>TIPS TO KEEP HEALTHY</u></b>			
<b>INSTRUCTIONS</b>	<ol style="list-style-type: none"><li>1. This is an Assessment on the work done during the week.</li><li>2. You will need a book to write your answers in and something to write with.</li><li>3. Answer the following questions in your workbook in full sentences where applicable.</li><li>4. Do not refer back to your textbook while answering these questions.</li><li>5. For the short questions all you need to do is write down the number and the corresponding letter (Part 1,2 and 3)</li><li>6. In the True and False questions, you have to give the correct word if the answer is False to get the mark.</li><li>7. In Part 4 you have to answer in detail to get the marks. One word answers will not be acceptable here.</li></ol>	<ol style="list-style-type: none"><li>1. <b>WASH YOUR HANDS</b> thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%.</li><li>2. <b>PRACTICE SOCIAL DISTANCING</b> – keep a distance of 1m away from other people.</li><li>3. <b>PRACTISE GOOD RESPIRATORY HYGIENE:</b> cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use.</li><li>4. <b>TRY NOT TO TOUCH YOUR FACE.</b> The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick.</li><li>5. <b>STAY AT HOME.</b></li></ol>			

## SCENARIO

Your local community has decided to run a campaign on healthy lifestyles. Amongst the activities they are organising is a triathlon race. They have asked you to help in sending invitations, creating documents that explain the event, recording results, keeping records of athletes and creating a website to market the event.

### QUESTION 1: WORD-PROCESSING

Study the questionnaire below and answer the questions that follow.

#### **Questionnaire: Living a healthy lifestyle.**

- A. Indicate your gender:  M  F
- B. Why is it beneficial to live a healthy lifestyle?  
\_\_\_\_\_
- C. Do you eat healthily? YES / NO
- D. Do you love sport and living outdoors?

- 1.1 Identify any ONE closed question in the questionnaire. Explain why you say that the question is a “closed” question. (2)
- 1.2 Explain why it would be difficult to analyse the answers to Question B in a spreadsheet. (2)
- 1.3 Explain why Question D on the questionnaire is not a good survey question. (2)
- 1.4 The questionnaire does not have an introduction. Give ONE element that should be included in the introduction of a survey. (2)
- 1.5 The above questionnaire was done as a word-processing form. Explain how you would capture the responses to the questionnaire in a spreadsheet or database. (3)

[11]

## QUESTION 2

In the PAT of 2018 learners were asked to investigate the problem of fake news. A learner asked the following question in her survey:

“How often do you see fake news?” Answer 1 to 5 where:

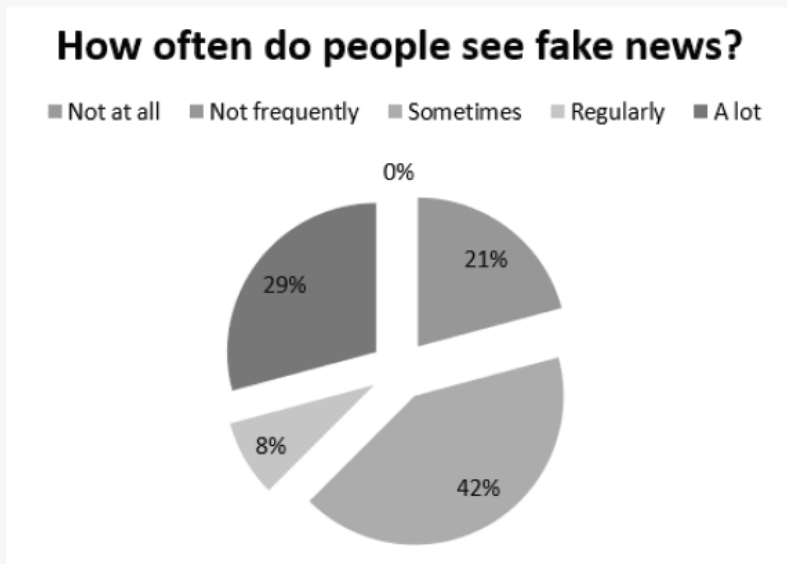
- 1 = Not at all
- 2 = Not frequently
- 3 = Sometimes
- 4 = Regularly
- 5 = A lot

How often see fake news ,1 to 5	
1 less likely 5 most likely	Description
5	A lot
3	Sometimes
2	Not frequently
3	Sometimes
5	A lot
2	Not frequently
2	Not frequently
3	Sometimes
4	Regularly
4	Regularly
3	Sometimes
4	Regularly
5	A lot

- 2.1 The learner captured the responses from each person who completed her questionnaire in a spreadsheet. Some of the results are shown in the image on the left. The respondents answered using the number 1 to 5. The learner used a spreadsheet function to convert the number to its matching description. What spreadsheet function did she use to do this? (1)

10. How often do people see fake news	
Not at all	0
Not frequently	5
Sometimes	10
Regularly	2
A lot	7

- 2.2 The learner then made a summary of all the responses to the question. What spreadsheet function did she use to do this? (1)
- 2.3 The learner created a graph of the results shown in 2.2.



- a. Write an argument to include in a report based on the information in the graph. (3)
- b. The number 0% appears on the graph but is not linked to a "pie slice". Why is this the case? (1)
- c. What other types of graph could you use where it would be clearer which data item this is? (1)
- [7]

### QUESTION 3

In the PAT of 2016 learners were required to investigate the problem of water shortages. A learner captured data about the capacity of dams which supply the Greater Cape Town area in a database table. The data spanned a period of three years from 2014 to 2015. The learner then created the following query:

Dam Name	Capacity (Ml)	Jan 11 2014	Jan 11 2015	Jan 18 2014	Jan 18 2015	Jan 25 2014	Jan 25 2015
WEMMERSHOEK	58644	90.6	76.3	90.6	76.3	85.2	71.1
STEENBRAS LOWER	31767	84.4	63.1	84.4	63.1	79.4	54
STEENBRAS UPPER	33517	98.8	99.3	98.8	99.3	99.7	96.6
VOELVLEI	164095	88.7	81.9	88.7	81.9	84.1	73.9
THEEWATERSKLOOF	480188	94	85.4	94	85.4	90.6	78.5
BERG RIVER	130010	98.6	88.1	98.6	88.1	99.5	80.8

The output of the query is shown in the figure above.

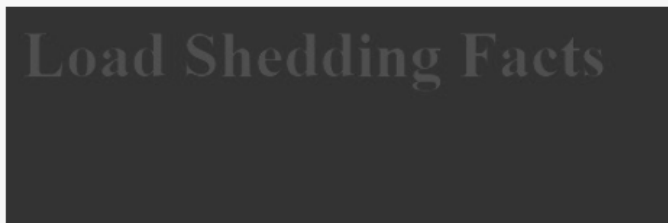
- 3.1 Suggest two query design techniques that will produce a meaningful outcome. (2)
  - 3.2 Write down the criteria to include all the dam names that starts with the letter 'S' and the dams that have exceeded capacity > than 80% in 2015. (3)
- [4]

### QUESTION 4

As part of the PAT you are required to create a website. The image below shows a small part of the HTML.

```
<body bgcolor="darkblue">
  <h1><font color="darkslateblue">Load Shedding Facts</font></h1>
</body>
```

The image below shows the output on the browser screen.



- 4.1 What is the problem with the browser display? (2)
- 4.2 Make ONE change to the HTML above to correct the problem. (1)
- 4.3 A learner in your class says that if an image is on the internet, it is fine to use that image in your PAT website because it is for schoolwork. Is the learner correct? Justify your answer. (2)

[5]

TOTAL: 27