



Province of the  
**EASTERN CAPE**  
EDUCATION

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

**HOME SCHOOLING ASSESSMENT 8 ANSWER SHEET**

<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>	✓

**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.

- 1.1 Identify any ONE closed question in the questionnaire. Explain why you say that the question is a “closed” question.

*Answer:*

- Question A: Indicate your gender (Male or Female).
- Question B: Do you eat healthily? ✓

*Both questions have one single, definitive answer. ✓✓ (2)*

- 1.2 Explain why it would be difficult to analyse the answers to Question B in a spreadsheet.

*Answer: Question B is an open-ended question, with many possible answers, ✓ which will be difficult to quantify. ✓ (2)*

- 1.3 Explain why Question D on the questionnaire is not a good survey question. (2)

*Answer: Question D is in fact two questions in one: Do you love sport? Do you love living outdoors? ✓ How does a respondent answer if he/she loves sport, but not living outdoors? It is better to have them as two separate questions. ✓*

1.4 The questionnaire does not have an introduction. Give ONE element that should be included in the introduction of a survey.

Answer:

- *What the survey is about.*
- *How respondents must complete the survey.*

Any ONE ✓

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.

Answer: The user needs to collect the answers to the form, just the data ✓, save it as a csv file ✓ and import it into a spreadsheet or database. ✓

## 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

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 numbers 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? (Please fix spacing)

Answer: *VLOOKUP or INDEX/MATCH* ✓

(1)

[REFER LEARNERS TO THE ARTWORK IN THE THEORY BOOK]

2.2 The learner then made a summary of all the responses to the question. What spreadsheet function did she use to do this?

Answer: *COUNTIF* ✓

(1)

2.3 The learner created a graph of the results shown in 2.2.

[REFER LEARNERS TO THE ARTWORK IN THE THEORY BOOK]

a. Write an argument to include in a report based on the information in the graph.

Answer: *All respondents had seen fake news at some time. ✓ Many (42%) had seen fake news sometimes. ✓ The next biggest response was those who had seen fake news a lot (21%) ✓* (3)

b. The number 0% appears on the graph but is not linked to a “pie slice”. Why is this the case?

Answer: *No respondents answered “Not at all” ✓*

(1)

c. What other type of graph could you use where it would be clearer which data item this is?

Answer: *A bar (column) graph ✓*

(1)

### 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 2016. The learner then created the following query:

[REFER LEARNERS TO THE ARTWORK IN THE THEORY BOOK]

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

- 3.1 Suggest two query design techniques that will produce a meaningful outcome. (1)

*Answer: Learners' own work. Accept all reasonable answers.*

- 3.2 Write down the criteria to include all the dam names that start with the letter 'S' and the dams that have exceeded capacity > than 80% in 2015.

*Answer: Learners' own work. Accept all reasonable answers.*

### QUESTION 4

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

[REFER LEARNERS TO THE ARTWORK IN THE THEORY BOOK]

The image below shows the output on the browser screen.

[REFER LEARNERS TO THE ARTWORK IN THE THEORY BOOK]

- 4.1 What is the problem with the browser display? (2)

*Answer: The text is very difficult to read ✓ because both colours are dark blue / not enough contrast between the two colours. ✓*

- 4.2 Make ONE change to the HTML above to correct the problem. (1)

*Answer: Change the value of the bgcolor attribute to a lighter colour. OR  
Change the value of the font colour attribute to a lighter colour, e.g. white.  
Any ONE ✓*

- 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)

*Answer: The learner is incorrect. ✓ Using images from the internet without acknowledging them is plagiarism. ✓*

*Do not award the first mark if no reason is given.*