



Province of the
EASTERN CAPE
EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING ASSESSMENT 18

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	24/7/20
TOPIC	Assessment 18: Integrated Scenario	TERM 2 REVISION		TERM 4 CONTENT	✓
TIME ALLOCATION	45 minutes (25 marks)	<u>TIPS TO KEEP HEALTHY</u>			
INSTRUCTIONS	<ol style="list-style-type: none">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.	<ol style="list-style-type: none">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.			

- 1 Most of the existing computers in the libraries are entry-level computers.
 - 1.1 You need to check the minimum system requirements of the computers to determine if they can run specific software.

Define *minimum system requirements*. (2)
 - 1.2 Name TWO hardware components, other than a motherboard, that would probably need to be upgraded to make it possible to process large amounts of data and run the data analysis software. (2)
 - 1.3 Give TWO reasons why computers may slow down over time. (2)
- 2 The computers in the AcademyOne library must be connected to a network so that resources can be shared.
 - 2.1 Which component, if not already part of the motherboard, must be installed in each computer to enable the computers to connect to the network? (1)
 - 2.2 The library uses a large number of computers.

Why would a peer-to-peer network NOT be suitable for this library? (2)
 - 2.3 Suggest wired media that would be suitable to connect the library computers in a network. (1)
 - 2.4 What device would be needed to connect the library's LAN to the internet? (1)
- 3 Data should be backed up regularly. The internet provides various online storage facilities.
 - 3.1 Give TWO reasons why the library would use cloud storage to store files and to make backups. (2)
 - 3.2 Give TWO reasons for restoring data from a backup. (2)

4 You need to complete a website using HTML.

4.1 Which tag would be used to create a bulleted list in HTML? (1)

4.2 Which tag would be used to create an open line in a paragraph in HTML? (1)

4.3 When the HTML code below is run in a browser, it should create a table with three rows and two columns. The code does not display the table correctly.

Study the code and answer the question that follows.

```
<table border=1>
  <td> Row 1 Cell 1 </td> <td> Row 1 Cell 2 </td>
  <td> Row 2 Cell 1 </td> <td> Row 2 Cell 2 </td>
</table>
  <td> Row 3 Cell 1 </td> <td> Row 3 Cell 2 </td>
```

Suggest TWO changes to the code so that the table displays correctly.

NOTE: Do NOT rewrite the code. (2)

5 The screenshot below shows a few records from a larger data set used to display the salaries of part-time employees at smaller libraries across the country. The amounts earned (column E) are based on the number of days worked.

	A	B	C	D	E	F
1	User ID	Area	Gender	Age	Amount Ea	Potential Bonus
2	001	Pretoria	M	35	R 5 000.00	Yes
3	002	Cape Town	M	42	R 18 000.00	No
4	003	Durban	F	28	R 3 500.00	FALSE
5	004	Pretoria	M	36	R 12 000.00	No
6	005	Cape Town	F	58	R 9 000.00	Yes

5.1 Which spreadsheet feature can be used to fully display the contents of cell E1 without adjusting the column width? (1)

5.2 What formatting has been applied to the cell values in the range **A2:A6**? (1)

- 5.3 The options below can be used to determine the total amount earned by the part-time employees from Cape Town.

Option 1:	=SUMIF(B2:B37492,"Cape Town",E2:E37492)
Option 2:	=E3+E6+E11+E17+ ... +E37492

Which ONE of the two options above would be most appropriate for the task? Motivate your answer. (2)

- 5.4 If an employee is older than 30 and earned more than R10 000 in the year, the text 'Yes' must be displayed in column F, otherwise 'No' must be displayed.

The IF statement in cell F2 (shown below) was copied down to the rest of the cells in the column:

=IF(D2>30,IF(E2>10000,"No","Yes"))

Give TWO reasons why the IF statement does NOT work correctly. (2)
[25]