

Computer Application Technology

GRADE 10 - 2022

THEORY TEST Term 1

GRADE 10

Examiner: A. van Wyk

Time: 50 minutes

Moderator: L. Janssen

Total: 50 marks

NAME & SURNAME: [Click or tap here to enter text.](#)

GR 10 key (Please indicate if you are in a DigiEd school e.g., D1/D2/D3): [Click or tap here to enter text.](#)

Please read the following instructions carefully

- This question Paper consists of 6 pages.
- You must answer ALL the questions. Do not do more than is required by the question.
- Take note of the mark allocation. Question 1 and 2 counts 2 marks per question.
- Please make sure to answer all questions at allocated places or select correct answers, this is an electronic test.
- **PLEASE RENAME THIS TEST, BY ADDING YOUR NAME AND SURNAME**
e.g. NAME SURNAME Gr10 CAT Theory Test TERM 1 2022
- SUBMIT as a Word document when done on to Moodle.

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[GRADE](#)

Question 1	Question 2	Question 3	Question 4	TOTAL
10	10	18	12	50

Comments: _____

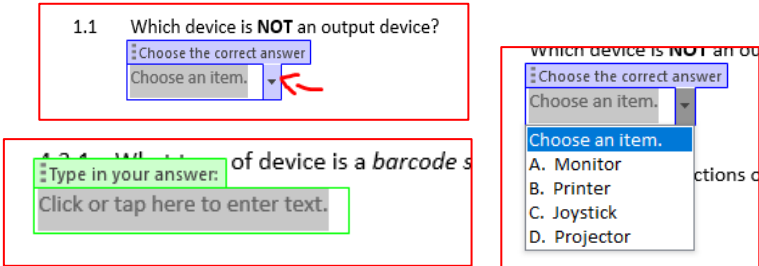
Signature: _____

50

SECTION A SHORT QUESTIONS

Question 1

The following test is an electronic test, please choose the correct answer where allocated, and type in the answer where allocated. Select drop down list, an choose the correct answer.E.G



Select the **MOST** appropriate answer to each question. Select **ONLY** the correct answer from the drop-down list.

- 1.1

Which device is **NOT** an output device?

Choose an item.
- 1.2

Bringing all the functions of different devices into a single device is called?

Choose an item.
- 1.3

Which **ONE** of the following correctly arranges the types of computers in ascending order according to power (lowest to highest)?

Choose an item.
- 1.4

Which **ONE** of the following is a **DISADVANTAGE** of using a compressed folder?

Choose an item.
- 1.5

Which **ONE** of the following file extensions indicates a video file?

Choose an item.

[QUESTION 1: 2x5 = 10 MARKS]

Question 2

Choose the word(s) in Column B that **BEST** matches the definition in Column A. e.g.

Select **ONLY** the answer of your choice in the space provided, for example 1.1.6 M.

Column B	
1	Choose an item.
2	Choose an item.
3	A. HDMI
4	B. platter
5	C. Ink jet
	D. SATA
	E. laser
	F. address
	G. cluster
	H. path
	I. VGA
	J. BIOS
	K. track

	Column A	Column B
2.1	The smallest accessible division of data on the hard disk.	2.1 Choose an item.
2.2	A type of ROM chip found on a motherboard that allows you to access and set up your computer system.	2.2 Choose an item.
2.3	The latest technology interface standard that is used to connect devices to a display unit, e.g., a monitor.	2.3 Choose an item.
2.4	The type of printer that works in a comparable way to a photocopying machine and produces good-quality material.	2.4 Choose an item.
2.5	The combination of names that indicates where a folder or file is stored on a computer.	2.5 Choose an item.

(10)

[QUESTION 2: 2x5 = 10 MARKS]

SECTION B SYSTEM TECHNOLOGIES

Please type in the answer in the space provided.

e.g

3.1.1 Which type of device is a barcode scanner?

Type in your answer:

Click or tap here to enter text.

Question 3

3.1 A computer consists of two main parts, i.e., **hardware** and **software**. Distinguish between these **TWO** parts by:

3.1.1 providing a definition for EACH, **AND** (2)

Definition of Hardware -

Definition of Software -

3.1.2 providing an example for EACH. (2)

Example -

Example -

3.2 Type the names **AND** the main functions of the items appearing in the images in the tables below:

3.2.1	
3.2.1 Image name:	
Type in the main function:	

3.2.2	
3.2.2 Image name:	
Type in the main Function:	

3.2.3	
3.2.3 Image name:	
Main function:	

3.2.4	
3.2.4 Image name:	
Main Function:	

(4 x 2)

- 3.3 The storage capacity of a word processing document is **45 KB**. Answer the following questions which are related to this storage capacity.
- 3.3.1 What does the “K” in “KB” stand for?

(1)

Click or tap here to enter text.
- 3.3.2 Data storage capacity is measured in bits and Bytes (the “B in “KB”). Distinguish between *bits* and *bytes*.

(2)

Click or tap here to enter text.
- 3.3.3 If you had a 500 MB hard drive, approximately how many word processing documents of 45 KB would you be able to store? *Show your workings.*

(3)

Click or tap here to enter text.

[QUESTION 3: 18 MARKS]

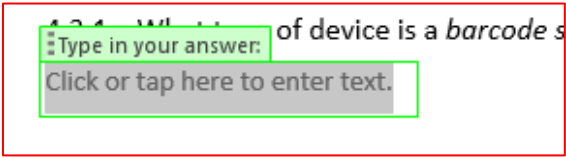
SECTION C INTEGRATED SCENARIO

Refer to the scenario below to answer all the questions below.

SCENARIO:

Takealot is one of the most popular online shopping sites in South Africa. They claim to have fast, reliable delivery to your door and safe and secure ways to pay.

Type in the answer in the space provided.

e.g. 

Question 4

- 4.1 In the following scenario, determine the *data* and *information*.
“The Takealot administrative department receives each order, captures the delivery details and provides a delivery schedule for the delivery team sorted by area in the city.” (2)
DATA:

INFORMATION
- 4.2 Takealot is obliged to protect their clients’ sensitive data. One way of doing this is to create strong passwords. Discuss **TWO** rules for creating strong passwords. (2)
Discuss two rules:
- 4.3 Takealot’s despatch department use a barcode scanner when despatching their parcels.
4.3.1 What type of device is a *barcode scanner*? (1)
Click or tap here to enter text.
- 4.3.2 Give **TWO** advantages of despatching their parcels using a *barcode scanner*. (2)
Click or tap here to enter text.
- 4.3.2 Name **ONE** other device that could be used for despatching their parcels. (1)
Click or tap here to enter text.
- 4.4 The new despatch manager has a laptop with the following specifications:
Intel Core I5 processor (4 cores) 4.2 GHz
15.6-inch full HD display
8GB RAM
512GB SSD storage
HDMI, USB Type-C 5Gbps
4.4.1 Which specification refers to primary memory? (1)
Click or tap here to enter text.

- 4.4.2

Name **ONE** device that will connect via the USB port.

(1)
- Click or tap here to enter text.
- 4.4.3

The CPU or processor fits into a slot on the motherboard of a computer.

(1)
- (a)
- What is this slot on the motherboard called?
- (1)
- Click or tap here to enter text.
- (b)
- Explain the function of a CPU.
- (1)
- Click or tap here to enter text.

[QESTION 4: 12 MARKS]

[GRAND TOTAL: 50 MARKS]

PLEASE REMEMBER TO SAVE THIS DOCUMENT and UPLOAD TO MOODLE.

FORMAL ASSESSMENT

ASSESSMENT

TERM 1

FORMAL ASSESSMENT: Practical Test 1

FORMAL ASSESSMENT: Theory Test 1

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