



T080

Monday, 26/7/2021

08:30 – 11:30 AM

Names

Index number

TVET NATIONAL EXAMINATIONS, RTQF LEVEL 5, 2020-2021

QUESTIONS and ANSWERS BOOKLET

OPTION / TRADE · **ELECTRONIC SERVICES**

SUBJECT : MAINTAIN ELECTRONIC DISPLAY

ACADEMIC YEAR: 2020-2021

NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021
NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021 NESA-2021
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TVET NATIONAL EXAMINATION, RTQF LEVEL 5, 2020-2021

INSTRUCTIONS TO CANDIDATES: PART I (Answer Booklet)

1. A candidate should fill in the actual names and the index number on the cover of this questions and answer booklet on the provided place (Black Box).
2. It is illegal for a candidate to write any of his/her names, index number or a school name inside the answer booklet.
3. A candidate should check if all pages of the answer booklet are complete. No candidate should remove or tear any pages or part of it from the answer booklet.
4. A candidate should answer in the language in which the examination is set. (See page **(ii)**)
5. A candidate should sign on the sitting plan when submitting the answer booklet. He/she has also to check if the answer booklet is well sealed.
6. No extra paper is allowed in the examinations room. If a candidate is caught with it his/her results will be nullified.
7. No candidate is allowed to write answers not related to the subject being sat for, otherwise it will be considered as a cheating case.
8. Write your answers on the 12 lined pages (From page 1 of 12 to page 12 of 12).
9. Use the last non-lined pages as draft.
10. Results for any candidate who is caught in examination malpractices are nullified. The cheating can be recognized during examinations administration, marking exercise or even thereafter.

TVET NATIONAL EXAMINATION, RTQF LEVEL 5, 2020-2021

OPTION/TRADE: ELECTRONIC SERVICES

SUBJECT: Maintain Electronic Display

DURATION: 3 hours

INSTRUCTIONS TO CANDIDATES: PART II (Question paper)

The paper is composed of two (2) main Sections as follows:

Section I: Attempt all the Twelve (12) questions (60 marks)

Section II: Attempt any Four (4) questions out of Six (6) (40 marks)

Allowed materials:

- Ruler and square
- Calculator

Note:

Every candidate is required to carefully comply with the provided assessment instructions.

Section I: Attempt all the Twelve (12) questions (60 marks)

- 01. a)** What is the electronic display? **(2 marks)**
b) List down different types of the electronic display. **(3 marks)**
- 02.** Define the following terms: **(5 marks)**
a) Tools
b) Materials
c) Equipment
- 03. a)** Define the term Site survey. **(2 marks)**
b) What is the importance of site survey when you plan for a digital display installation? **(3 marks)**
- 04.** Choose YES or NO: **(5 marks)**
a) After the installation of the electronic display, it is important to document the work done.
b) Justify your choice.
- 05.** What are the Disassembling process steps of electronic displays? **(5 marks)**
- 06. a)** What is short circuit? **(2 marks)**
b) What are the indicators of short circuit in any electronic display? **(3 marks)**
- 07. a)** List any three (3) instruments used on site survey. **(3 marks)**
b) What is a raster? **(2 marks)**

- 08.** Define flowing terms: **(5marks)**
- a)** CRT display
 - b)** LED
- 09.** What are the basic causes of electronics display faults? **(5 marks)**
- 10.** What is the importance of UPS for a LED display? **(5 marks)**
- 11.** Show the indicators of an Open Circuit. **(5 marks)**
- 12.** You want to install a digital display for advertising your business.
What are the steps will you follow? **(5 marks)**

Section II: Attempt any Four (4) questions out of Six (6) (40 marks)

13. Give three (3) examples and their uses for the following:

a) Repairing tools

(6 marks)

b) Cleaning tools

(4 marks)

14. VIRUNGA Electronics is a company located in Northern Province and this company needs a technician to verify their screens. Suppose that you are hired to do so, which steps can you take to verify those screens?

(10 marks)

15. a) You plan to install a digital display for advertising your company.

What are the steps will you follow?

(3 marks)

b) What are the common faults of an electronic display?

(3 marks)

c) What are the basic causes of the electronic display faults?

(4 marks)

16. a) Describe the cleaning techniques of an electronic display.

(3 marks)

b) How do you think the reparation environment should be?

(3 marks)

c) Before deciding to disassemble an electronic display and start reparation process, troubleshooting process should be carried out with more attention. Give the steps to follow for accurate troubleshooting.

(4 marks)

17. a) Define DVST display.

(2 marks)

b) What are the advantage and disadvantage of DVST?

(3 marks)

c) List advantage and disadvantage of LED.

(5 marks)

18. With the help of diagrams, differentiate current source from current sink.

(10 marks)

Do not write anything on this page !

