



**T032**

**08:30 – 11:30 AM**

**Names:**

Index number

**TVET NATIONAL EXAMINATIONS, RTQF LEVEL 5, 2020-2021**

## QUESTIONS and ANSWERS BOOKLET

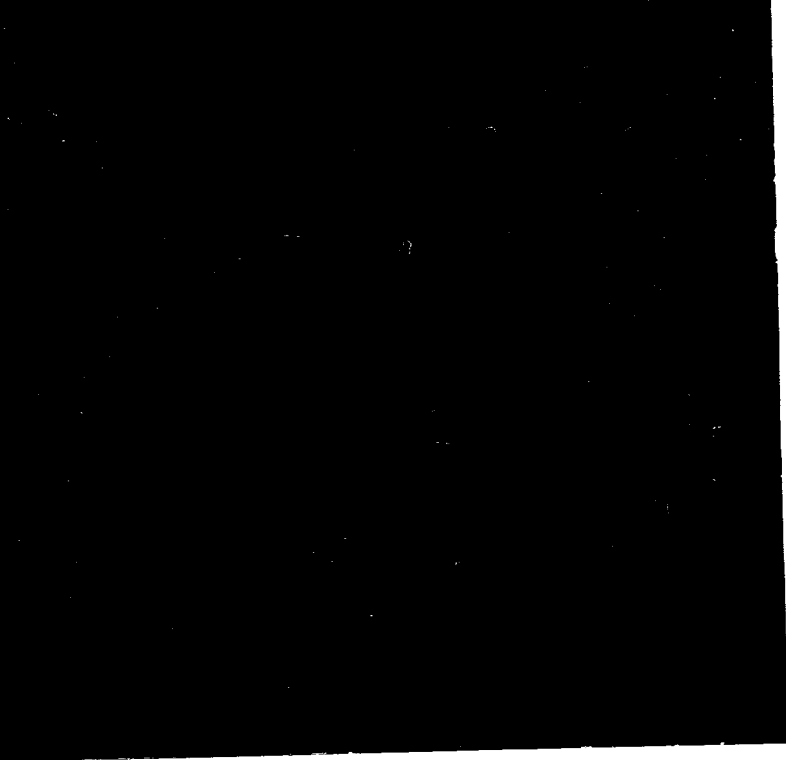
### OPTION / TRADE : TAILORING

**SUBJECT : TECHNICAL DRAWING**

ACADEMIC YEAR: 2020-2021

**\*Read carefully!**

[illegible][illegible]



# **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: TAILORING**

**Subject: Technical Drawing**

**DURATION: 3 hours**

## **INSTRUCTIONS TO CANDIDATES: PART II (Question Paper)**

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

<b>Section I: Attempt all the Twelve (12) questions</b>	<b>(60 marks)</b>
<b>Section II: Attempt any Four (4) questions out of Six (6)</b>	<b>(40 marks)</b>

### **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)**

**(1)** State at least (5) tailoring drawing symbols.

**(5 marks)**

**(2)** Indicate the drawing tools used to perform the following tasks:

1) To draw regular and smooth curves with varying radii

2) Used for technical drawing on the sheets

**(5 marks)**

**(3)** List down any five (5) drawing equipment or drawing tools.

**(5 marks)**

**(4)** Draw and explain the following types of lines used in technical drawing

(i) Cutting plane line

(ii) Short dashed (medium).

**(5 marks)**

**(5)** All lettering works are done either by freehand or by using drawing instruments. Skill and proficiency in freehand lettering can be achieved by the proper selection of appropriate sizes and style of lettering. What is the classification of lettering?

**(5 marks)**

**(6)** Mention the main features of lettering in engineering.

**(5 marks)**

**(7)** Height of the letters and numerals will be different for different purposes and may be selected suitably for their purpose. Differentiate single stroke from double stroke.

**(5 marks)**

(8) The expression of this information on a drawing by the use of lines, symbols, figures and notes is known as dimensioning. What are types of dimensions? (5 marks)

(9) Outline five (5) elements of Title block. (5 marks)

(10) Explain the application of technical drawing. (5 marks)

(11) By using a diagram, illustrate elements of dimension. (5 marks)

(12) Copy and answer by using “**True or False**” question about elements of drawing sheet layout:

a) **Border line** the clear working space on the drawing sheet is obtained by drawing border lines. In general practice, more space is kept on the left side for filling or binding when necessary.

b) **The title block** is an important feature in the drawing because it gives all the information of the prepared drawing. (5 marks)

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

**(13)** The proportion by which we either reduce or increase the actual size of the object on a drawing is known as drawing to scale or simple scale.

What are the uses of scale? **(10 marks)**

**(14)** Copy and complete the following Table:

Lines	Description	Application
(a) ..... _____	.....	.....
(b) Dimension line ←————→	.....	.....
(c) — . — . — . — . —	.....	.....

**(10 marks)**

**(15)** What are the meaning of the following terms:

- a) Bisection
- b) Triangle
- c) Centre line
- d) Dimensioning
- e) CAD.

**(10 marks)**

(16) Set-squares can be available in different suitable lengths, but 30°-60° set-squares of **250mm** and 45° set-square of **200mm** are suitable for general work. What are five (5) uses of the set-square? **(10 marks)**

(17) Drawing papers are mainly classified as per their sizes from A0 to A6. Observe carefully and match the format of paper in **A** with their measurements (mm) in **B**:

Column A	Column B
A0	594x841
A1	841x1189
A2	297x420
A3	210x297
A4	420x594

**(10 marks)**

(18) Write the following sentence in single stroke “**The art of representation of an object by systematic lines on a paper is called drawing**” Height of Letter is 7mm. **(10 marks)**





