

Tuesday, 20/7/2021
08:30 – 11:30 AM

Names:

Index number

QUESTIONS and ANSWERS BOOKLET

ACADEMIC YEAR: 2020-2021

Read carefully the instructions on page (i) & (ii).

[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: CARPENTRY

Subject: Technical drawing

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.** What do you understand by term drawing? **/5marks**
- 02.** Differentiate Sketching from Drawing. **/5marks**
- 03.** Explain the Classification of drawing. **/5marks**
- 04.** State any four (4) categories of engineering drawing.
/5marks
- 05.** State and explain any five (5) different types of angles.
/5marks
- 06.** Identify any five (5) types of solids. **/5marks**
- 07.** Differentiate first angle projection from third angle projection.
/5 marks
- 08.** Explain briefly the four (4) uses of set squares. **/5 marks**
- 09.** What are the types of dimensioning? **/5 marks**
- 10. (a)** Highlight any two (2) principles of dimensioning.
/2 marks
- (b)** Mention any three (3) types of projection plane.
/3 marks
- 11.** Enumerate any five (5) basic components of an estimate.
/5 marks
- 12. a)** What do you understand by scale?
- b)** List and explain three (3) types of scale. **/5 marks**

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

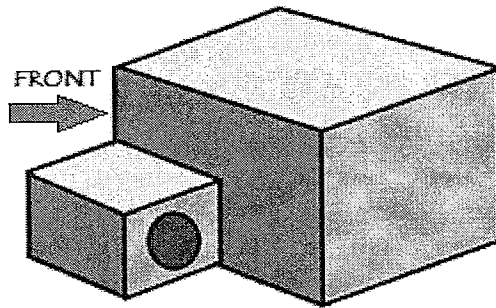
(40 marks)

13. Fill in the following table:

/10 marks

Type of symbols	Naming
.....	Hidden line
.....	Bed with two persons
.....	Arm chair

.....	Wood in side view
.....	Cutting plan line
.....	Double door opened in internal

.....	Timber, Wood, plywood
.....	Glasses

- 14.** Draw the views (Front, Right, left, back and Top) of object below:



/10 marks

- 15.** With aid of sketch, differentiate the following types of projections:

- a) Isometric projection
- b) Diametric projection
- c) Trimetric projection.

/10 marks

- 16. a)** Mention any six (6) elements that can be found in title block of a drawing sheet.

/6 marks

- b)** Write in full the meaning of below wards:

- a) **A N S I**
- b) **J I S**
- c) **B S**
- d) **I S I**

/4 marks

17. Name at least ten (10) instruments used in technical drawing.

/10 marks

18. a) What are the types of views?

/7 marks

b) What are three (3) types of paper?

/3 marks

