



08:30 – 11:30 AM

Names

Index number

TVET NATIONAL EXAMINATION, RTOF LEVEL 5, 2020-2021

QUESTIONS and ANSWERS BOOKLET

OPTION /TRADE: INTERIOR DESIGN

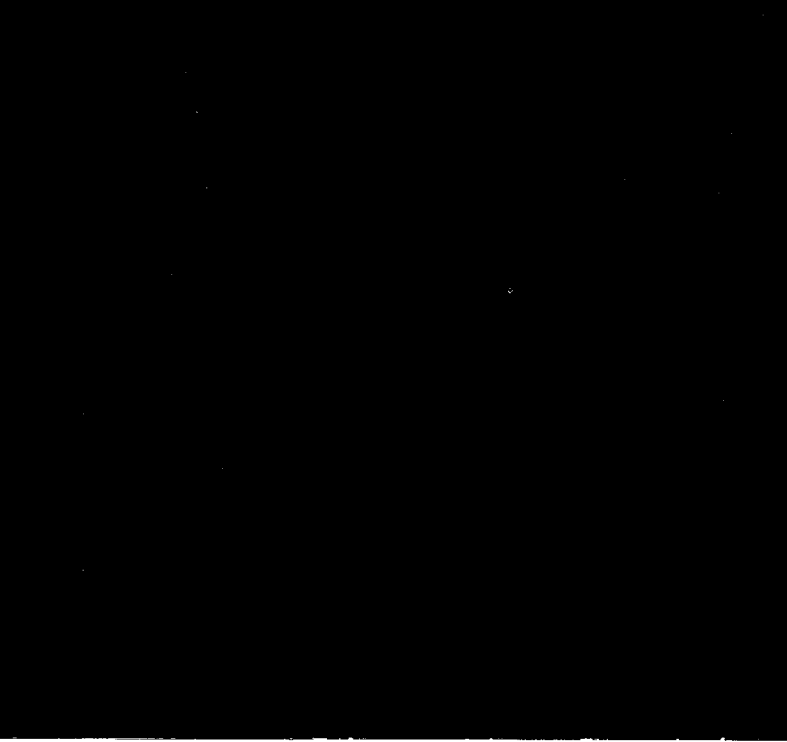
SUBJECT: Performing painting coats

ACADEMIC YEAR: 2020-2021

1 6 11 11 - instructions on page (i) 8- (ii)

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[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: INTERIOR DESIGN

SUBJECT: Performing painting coats

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.

01. Define the following terms:

- a) Paint
- b) Emulsion paint
- c) Painting
- d) Solvent
- e) Painting decoration.

(5 marks)

02. List down any five (5) tools/equipment or materials used in paint mixing.

(5 marks)

03. List down any five (5) measures you will use to protect the surrounding area, furniture and equipment before performing painting works.

(5 marks)

04. Painting can be done by different methods, mention any five (5) painting methods.

(5 marks)

05. Write down any five (5) types of painting decoration.

(5 marks)

06. Enumerate any five (5) components of paint.

(5 marks)

07. a) What is the paint thinner?

b) Enumerate any three (3) solvent commonly used as paint thinner.

(5 marks)

08. Define the following terms:

- a) Estimate
- b) Materials
- c) Profit
- d) Flaking
- e) Peeling.

(5 marks)

09. Defects may arise in plaster work, list down at least five (5) defects in plaster work. **(5 marks)**

10. Copy and complete the following table: **(5 marks)**

Particulars of items	Units of Measurement
Plastering	
Painting	
Number of doors	
Pavement	
Earth work in excavation	

11. Discuss the principle of units of measurements in cost estimation.

(5 marks)

12. Calculate the cost of painting work for the following data :

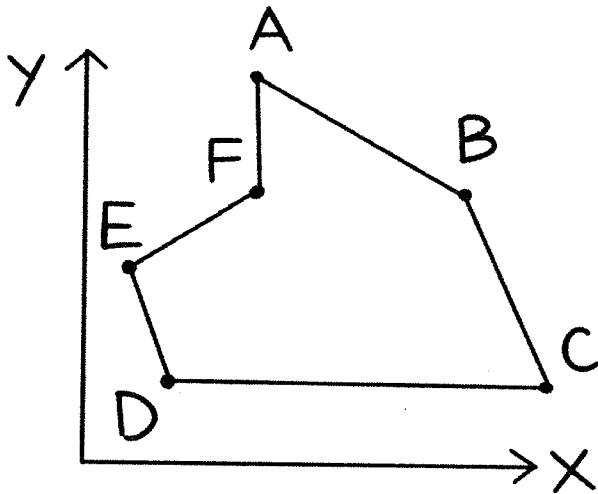
- ✓ Area to be paint = 360m^2
- ✓ 4L of oil paint require 1L of petrol
- ✓ 4L of paint are estimated for 12m^2
- ✓ Cost of 4L of oil paint = 10000RWF
- ✓ Cost of 1L of petrol = 900RWF
- ✓ Use contingencies = 5%.

(5 marks)

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

- 13.** List down and explain any five (5) tips for maintaining the air compressor in painting works. **(10 marks)**
- 14. a)** What is the meaning of the following statement?
“Painting mixing ratio of 4:2:1”
- b)** By using visible and drawing, explain how you can measure and mix paints using a graduated container (volume). **(10 marks)**
- 15.** Enumerate any ten (10) roles of paint in painting production. **(10 marks)**
- 16.** List and explain the three (3) mixing techniques to be used in painting. **(10 marks)**
- 17.** What are paints mixing formula used in order to get the following painting colors?
- a)** Violet
 - b)** Orange
 - c)** Green
 - d)** Blue-Green
 - e)** Leaf
 - f)** Deep yellow
 - g)** Grey or gray
 - h)** Pink
 - i)** Burgundy
 - j)** Avocados. **(10 marks)**

18. Calculate area of the given figure:



A (4, 10)

B (9, 7)

C (11, 2)

D (2, 2)

E (1, 5)

F (4, 7)

Note: Don't forget to write your answer in square units.

