



ZIMBABWE

**MINISTRY OF HIGHER AND TERTIARY EDUCATION,
INNOVATION, SCIENCE AND TECHNOLOGY DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL DIPLOMA

IN

INDUSTRIAL CLOTHING AND TEXTILE TECHNOLOGY

**SUBJECT: Clothing Factory Management and
Operations (Portfolio)**

PAPER NO: 555/21/S07

DURATION: 28 hours

OCTOBER/NOVEMBER 2025 EXAMINATION

REQUIREMENTS

1. A3/A4 bond paper
2. Technical drawing pens
3. File for project
4. Calculator
5. Library books
6. Flimsy paper
7. Technical drawing paper
8. Drawing tools

INSTRUCTIONS TO CANDIDATE

1. Answer all questions.
2. Candidates can use notes and library books.
3. All work to be represented in a project form.
4. Time management is very important.

This paper consists of 3 printed pages.

PAPER NO: 555/21/S07 – CLOTHING FACTORY MANAGEMENT AND OPERATIONS
PORTFOLIO

Truworthis Fashions is a clothing company well known for producing outstanding designs and has been approached by Zimbabwean women to design and supply 5000 products of the new design.

The Managing Director has assigned you to come up with a suitable design.

✓ QUESTION 1

Design a suitable dress code for the group Zimbabwean Women showing all the necessary details. Show both the front and back views. (10 marks)

QUESTION 2

Prepare $\frac{1}{4}$ scale patterns in size 14 and 16 and make a marker to determine fabric rating. (15 marks)

✓ QUESTION 3

Calculate the amount of materials needed for one (1) unit and determine the total amount for 3 000 units which should be in size 14 and 2000 units in size 16. (10 marks)

✓ QUESTION 4

Provide an operation breakdown for the product. (10 marks)

QUESTION 5

✓ Given twelve (12) operators to work on the order. Calculate the number of days needed, target per hour and per day, total hours for the order. Suggest the date you are going to start working on the order and the possible delivery date. (10 marks)

✓ QUESTION 6

Select two (2) operations and show a detailed method breakdown and technical drawings. (10 marks)

QUESTION 7

Determine the price for one (1) design and income for the whole order given that your company's wage bill is \$50 per week, 25% profit and 15% overheads.

(10 marks)

✓ QUESTION 8

Provide a quality specification sheet for the product.

(10 marks)

✓ QUESTION 9

Analyse the fabric and trimmings to be used and make a wash and care label.

(5 marks)

✓ QUESTION 10

Design a layout in the production room.

(10 marks)

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