higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

N800**(E)**(N14)H

NATIONAL CERTIFICATE

INTRODUCTORY FACTORY ORGANISATION N4

(4090584)

14 November 2018 (X-Paper)
09:00–12:00

This question paper consists of 10 pages.

Copyright reserved

DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE
INTRODUCTORY FACTORY ORGANISATION N4
TIME: 3 HOURS
MARKS: 300

INSTRUCTIONS AND INFORMATION

1. Answer ALL the questions.
2. Read ALL the questions carefully.
3. Number the answers according to the numbering system used in this question paper.
4. Start each section on a NEW page.
5. Use only BLUE or BLACK ink.
6. Write neatly and legibly.

Copyright reserved

SECTION A

QUESTION 1

Various possible answers are given to the following questions. Choose the correct answer and write only the letter (A–D) next to the question number (1.1–1.10) in the ANSWER BOOK.

1.1 The most common cause of fire in a factory is …

A smoking.
B faulty electrical equipment.
C rubbish.
D cloth accumulation.

1.2 An example of a physiological handicap is …

A domestic problems.
B stress.
C poor vision.
D laziness.

1.3 The person in charge of the production staff is the …

A sales manager.
B supervisor.
C designer.
D manager.

1.4 Stitching applied on the surface of the fabric, whether can be in a straight line, curved or scalloped in a pattern, is called …

A edge finish stitching.
B overedge chainstitch.
C covering stitches.
D ornamental stitching.

1.5 Joining of thread during the weaving process, where a small mark appear on the fabric surface is called …

A damaged material.
B flaws or defects.
C pilling.
D pulling.

1.6 The type of hem used on circular skirts, frills and lingerie:

A Rolled hem
B Single hem
C Machine stitched hem
D Plain hem

1.7 The safety officer should be a ... person.

A diligent
B responsible
C safety conscious
D qualified and trained

1.8 … usually redistribute pieces cut from the large bulk to manufacturers.

A Retailers.
B Importers.
C Wholesalers.
D Buyers.

1.9 Thin lightweight fabrics and satin are stored in the following way:

A Cuttles
B Rolls
C Bolts
D Hanging

1.10 Pressing plays a huge role in the finished appearance of garments.

The term … refers to pressing or partially on partly constructed garments.

A 'off pressing'
B 'final pressing'
C 'underpressing'
D 'top pressing'

(10 × 2) **[20]**

QUESTION 2

Indicate whether the following statements are TRUE or FALSE. Choose the answer and write only 'True' or 'False' next to the question number (2.1–2.10) in the ANSWER BOOK.

2.1 A block pattern is a styled pattern used for the cutting of sample garments.

2.2 Pattern paper comes in a variety of weights and colours.

2.3 Industrial sewing machines can sew various types of stitches.

2.4 Inspection is only needed at the end of the sewing process to ensure good quality garments.

2.5 Sight signals are an effective way of transferring information.

2.6 Poor eyesight can present a safety hazard in a working environment.

2.7 Leading is aimed at achieving organisational goals.

Copyright reserved

2.8 Workflow need to be carefully planned to ensure utmost production.

2.9 Yellow is an example of a cool colour.

2.10 Velvet is an example of material that is packed on rolls.

(10 × 2) **[20]**

QUESTION 3

Give one word or term for the following statements:

3.1 Normally used when cutting only single/double plies of fabric

3.2 Used to drill small holes through piles of fabric, for example dart and pocket positions

3.3 The machine has a bobbin and a needle.

3.4 Person in charge of general safety

3.5 Basic first aid items are kept in it

3.6 The person in charge of a machinist

3.7 The shine of colour / equipment surfaces in the light

3.8 The symbol used to indicate a process or work activity

3.9 A cutting machine that can accurately cut sharp corners

3.10 A finishing machine used to finish raw edges of seams

(10 × 2) **[20]**

Copyright reserved

QUESTION 4

Choose an item from COLUMN B that matches a description in COLUMN A. Write only the letter (A–N) next to the question number (4.1–4.10) in the ANSWER BOOK.

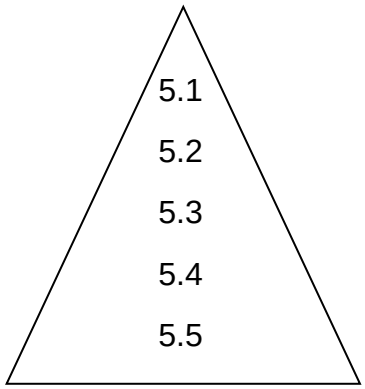
COLUMN A		COLUMN B	
4.1	Open laying up	A	wide fabrics
4.2	Back up	B	plain fabrics
4.3	Face to face	C	fur fabrics
4.4	Face up	D	check fabrics
4.5	On the fold	E	leather fabrics
4.6	Carried out after garment is finished	F	noise
4.7	Passing of a loop trough another loop formed by the same thread	G	velvet
		H	process inspection
4.8	Unwanted sound	I	interloping
4.9	This colour creates a sombre feeling	J	yellow
4.10	This colour creates coolness	K	final inspection
		L	grey
		M	intralooping
		N	blue

(10 × 2) **[20]**

QUESTION 5

According to Maslow human needs can be classified into FIVE groups.

Name and describe each group. Tabulate your answer as follows:

MASLOW HIERARCHY	DESCRIPTION
	5.1.1
	5.1.2
	5.1.3
	5.1.4
	5.1.5

(10 × 2) **[20]**

TOTAL SECTION A: 100

SECTION B

QUESTION 6

6.1 Various types of equipment are used in a factory cutting room.

Discuss this equipment under the following headings:

6.1.1 Cutting tables (4)

6.1.2 Cutting machines (3)

6.1.3 Ticketing machines (2)

6.1.4 Marking machines (4)

6.2 Discuss the uses for the following machines:

6.2.1 Hot drill (2)

6.2.2 Hot notcher (2)

6.3 Name FOUR 'on the open' layout techniques used in the clothing factory. (4)

6.4 Name FIVE requirements for a marker. (5)

6.5 Name the characteristics of an industrial sewing machine. (7)

Copyright reserved

6.6 Name FOUR special function machines. (4)

6.7 Describe the function of a button sewing machine. (3)

6.8 Explain the term *colour fastness*. (5)

6.9 Name FIVE quality standards for buttons and buttonholes. (5)
[50]

QUESTION 7

7.1 Explain the difference between pilling and pulling. (6)

7.2 Various tests are conducted to test materials for quality.

Briefly explain how the following tests are conducted in a laboratory:

7.3.1 Colour fastness (4)

7.3.2 Resistance to sunlight (3)

7.2.3 Resistance to heat (3)

7.3 Briefly describe the term *stitching*. (4)

7.4 One of the functions of management is appointment.

Discuss the term *appointment*. (2)

7.5 Briefly describe the contents to testimonials. (7)

7.6 Briefly discuss the planning of the layout of the clothing factory to eliminate noise. (5)

7.7 Name THREE advantages and THREE disadvantages of training employees. Tabulate your answer. (6)

7.8 Name the responsibilities of the buyer or storekeeper when receiving stock. (10)
[50]

QUESTION 8

8.1 Name FIVE guidelines when completing a job application form. (5)

8.2 Name FIVE ways in which a company can recruit new employees. (5)

8.3 Safety is the responsibility of all stakeholders. Describe the responsibilities of:

8.3.1 The employee (10)

8.3.2 The safety officer (10)

Copyright reserved

8.4 To achieve the specific goals of the organisation, management has to perform FIVE basic functions so as to co-ordinate group activity.

8.4.1 Make a sketch of these functions. (5)

8.4.2 Briefly discuss each of the functions mentioned in QUESTION 8.4.1. (5)

8.5 Explain how poor communication impacts on an organisation. (5)

8.6 Name FIVE ways in which communication systems can be improved. (5)
[50]

QUESTION 9

9.1 Define the following terms:

9.1.1 Productivity (3)

9.1.2 Production (5)

9.2 Describe TWO types of production with examples. (4)

9.3 Define workflow in the clothing industry. (6)

9.4 Study the following flowchart symbols.

Name and give the meaning of each.
Tabulate your answer as follows:

SYMBOL	NAME	MEANING
		
		
		
		
		
		

(12)

Copyright reserved

9.5 Differentiate between *workspace* and *workstation*. (4)

9.6 Explain what the term *climate* refers to. (14)

9.7 Name the unit of measurement for the following:

9.7.1 Noise (1)

9.7.2 Light intensity (1)

[50]

TOTAL SECTION B: 200
GRAND TOTAL: 300

Copyright reserved