higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE

SURFACE ELEMENTS THEORY AND PRACTICAL N4

(10050314)

23 October 2020 (X-paper)
09:00–12:00

This question paper consists of 6 pages.

303Q1B2023

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DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE
SURFACE ELEMENTS THEORY AND PRACTICAL N4
TIME: 3 HOURS
MARKS: 200

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 question on a new page.
5. Write neatly and legibly.

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SECTION A

QUESTION 1

1.1 Choose a description from COLUMN B that matches a term in COLUMN A. Write only the letter (A–J) next to the question number (1.1.1–1.1.10) in the ANSWER BOOK.

COLUMN A		COLUMN B	
1.1.1	Metal fibres	A	absorb noise
1.1.2	Spandex	B	sisal or jute
1.1.3	Porcelain	C	gives a feeling of space
1.1.4	Terrazzo	D	time-consuming
1.1.5	Cork tiles	E	made from coconut
1.1.6	Hessian	F	concrete with marble chips
1.1.7	Mirror tiles	G	human-made fibre
1.1.8	Block printing	H	gold and silver
1.1.9	Coir	I	nonporous
1.1.10	Nylon	J	lycra

(10 × 2) (20)

1.2 Indicate whether the following statements are TRUE or FALSE by writing only 'True' or 'False' next to the question number (1.2.1–1.2.10) in the ANSWER BOOK.

1.2.1 The chenille weave produces thick soft carpets.

1.2.2 Knitted carpets take much longer to produce than weaving.

1.2.3 The choice of flooring is determined by the size of the room.

1.2.4 Dense and plush carpets are more formal.

1.2.5 Felted carpets are made from cow's hair.

1.2.6 Chinese wallpaper only depicts stylised patterns.

1.2.7 A white ceiling helps with illumination.

1.2.8 Dhurrie carpets are made from a mix of nylon and cotton.

1.2.9 Masonry is anything constructed with bricks, stone or tiles.

1.2.10 The dado rail is just beneath the ceiling line.

(10 × 2) (20)

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1.3 Complete the following sentences by writing only the missing word or words next to the question number (1.3.1–1.3.10) in the ANSWER BOOK.

1.3.1 The underlay is there to … the carpet.

1.3.2 Cotton is one of few … fibres used as a carpet pile fibre.

1.3.3 Most contemporary houses are built with solid … floors.

1.3.4 Hard wood comes from … trees.

1.3.5 Ceramic floor tiles are … when wet.

1.3.6 Soft wall coverings will … noise.

1.3.7 Wallpaper should not be applied to cover … in the wall.

1.3.8 Gypsum board is used for …

1.3.9 Wilton carpets are woven on a … loom.

1.3.10 Baluchistan rugs are woven in …

(10 × 2) (20)
[60]

TOTAL SECTION A: 60

SECTION B

QUESTION 2

2.1 Define each of the following terms:

2.1.1 Textured wallpaper

2.1.2 Novelty paper

(2 × 5) (10)

2.2 Explain each of the following types of ceiling:

2.2.1 Shed ceiling

2.2.2 Dropped ceiling

2.2.3 Beamed ceiling

2.2.4 Concrete ceiling

2.2.5 Vault ceiling

(5 × 3) (15)

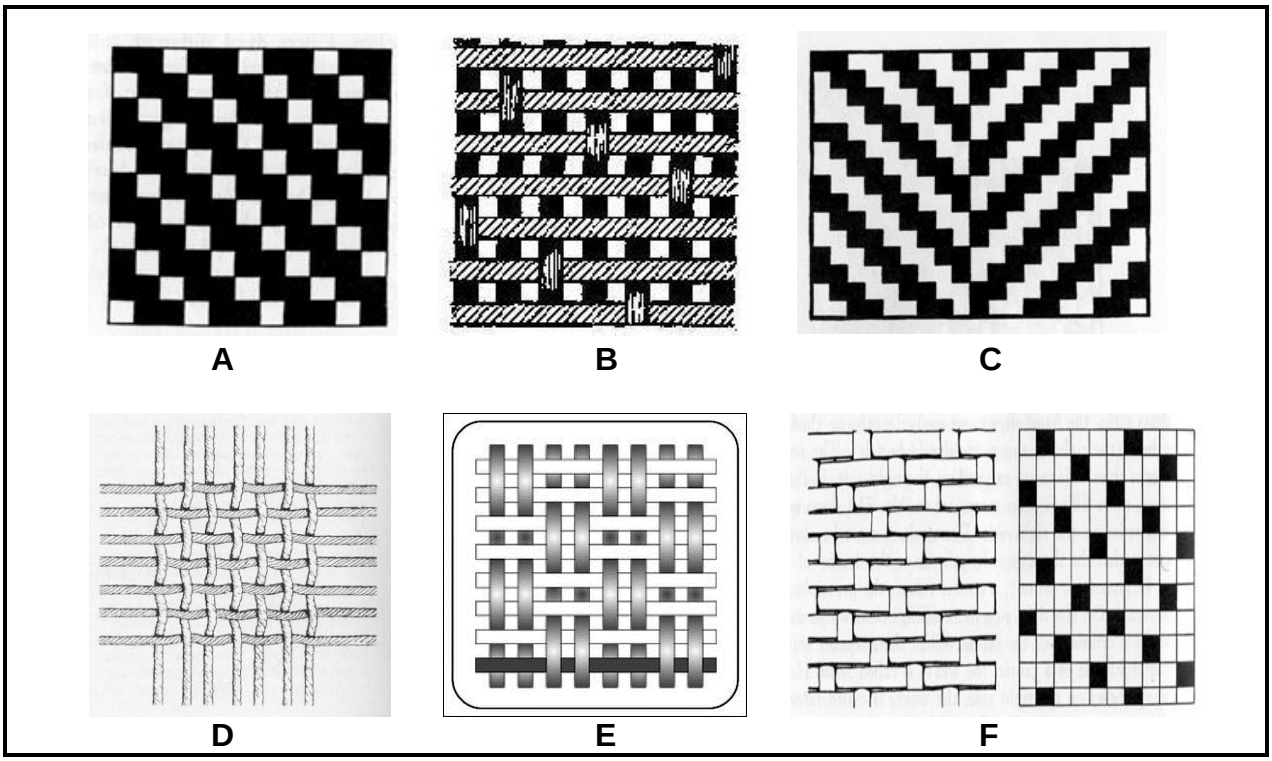
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2.3 2.3.1 Where do Dhurrie rugs originate from? (2)

2.3.2 Discuss the traditional version of a Dhurrie rug. (6)

2.3.3 How are Dhurrie rugs produced? (6)

2.4 Name each of the weaves below by writing only the answer next to the letter (A–F) in the ANSWER BOOK.



(6 × 1) (6)

[45]

QUESTION 3

3.1 Discuss the suitability of each of the following worktops in different areas:

3.1.1 Stainless steel

3.1.2 Wood

3.1.3 Glass

3.1.4 Formica

3.1.5 Marble

(5 × 5) (25)

3.2 Describe the different types of ceramic tiles. (15)

3.3 3.3.1 Compare *plywood* and *laminated wood*. (7)

3.3.2 What are the advantages of layered wood? (8)

[55]

QUESTION 4

4.1 Study the image below and answer the questions.



4.1.1 Explain how this building is constructed with reference to the roof, walls and floor. (15)

4.1.2 Discuss the decorations on the wall. (5)

4.1.3 Which South African tribe decorates in this style? (2)

4.2 Name and explain SIX types of printing on wallpaper. (6 × 2) (12)

4.3 Give the properties of polyester. (6)

[40]

TOTAL SECTION B: 140
GRAND TOTAL: 200

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