higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

N1500**(E)**(J8)H

NATIONAL CERTIFICATE

SURFACE ELEMENTS THEORY AND PRACTICAL N4

(10050314)

8 June 2018 (X-Paper)
09:00–12:00

This question paper consists of 8 pages.

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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. Write neatly and legibly.

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SECTION A

QUESTION 1

1.1 Indicate whether the following statements are TRUE or FALSE. Choose the answer and write only 'true' or 'false' next to the question number (1.1.1–1.1.20) in the ANSWER BOOK.

1.1.1 Hardwood comes from trees with broad leaves.

1.1.2 A dense carpet will not be durable.

1.1.3 Mirror tiles light up a room.

1.1.4 Silk glued onto paper can be used as wallpaper.

1.1.5 Soft porous materials are used to absorb sound.

1.1.6 Dark flooring is ideal for small rooms.

1.1.7 Synthetic fibres are all chemically produced.

1.1.8 Axminster carpets are woven on a jacquard loom.

1.1.9 The dado rail protects the wall against chair backs.

1.1.10 Wood tends to discolour from exposure to light.

1.1.11 Ceramic tiles are made from clay and a thin layer of glaze.

1.1.12 Carpets with pile do not need any underlay.

1.1.13 A niche is a small opening in the wall near the ceiling.

1.1.14 Wool has the best properties for a good carpet pile.

1.1.15 Wallpaper can be a focal point on a ceiling.

1.1.16 Quarry tiles only come in a traditional brick red.

1.1.17 A double-hung window is a sash window.

1.1.18 Slate is produced at very high temperatures.

1.1.19 Walls have an effect on the temperature in a room.

1.1.20 Rubber is a synthetic compound.

(20 × 1) (20)

1.2 Give a short explanation of each of the following:

1.2.1 Medallion
1.2.2 Architrave
1.2.3 Butt-jointed floors
1.2.4 Resilient
1.2.5 Classical
1.2.6 Quarry
1.2.7 Acoustic tiles
1.2.8 Cylinder printing
1.2.9 Ingrain paper
1.2.10 Cornice
1.2.11 Firebox
1.2.12 Skylight
1.2.13 Flocked carpet
1.2.14 Parquet floor
1.2.15 Thixotropic paint

(15 × 1) (15)

1.3 Choose the correct word or words from those given in brackets. Write only the word or words next to the question number (1.3.1–1.3.15) in the ANSWER BOOK.

1.3.1 Rayon fabric (creases easily/is crease-resistant).

1.3.2 The more light is reflected from a floor, the (larger/smaller) a room will appear.

1.3.3 Wood panelling gives a room (a formal/an informal) effect.

1.3.4 Wallpaper as we know it was invented by (an Englishman/a Frenchman).

1.3.5 (Coir/Cotton) is found in cheaper pile carpets.

1.3.6 Dralon is (fire-resistant/non-fire-resistant).

1.3.7 A niche is a (round hole/recess) in a wall.

1.3.8 Rayon fibre has a (limited/wide) range of application.

1.3.9 Polyester (can/cannot) be dried in direct sunlight.

1.3.10 Less density in the carpet pile means (longer/shorter) wear.

1.3.11 Fibreglass tiles are used for (light in walls/soundproof ceilings).

1.3.12 Anaglypta is made from (plaster moulding/embossed cotton fibre).

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1.3.13 Metal is used in blended carpets to make them (hardwearing/anti-static).

1.3.14 Painted wood can be seen as (flammable/non-flammable).

1.3.15 Looped-pile carpets are (cut at the right height/left uncut).

(15 × 1) (15)

1.4 Choose a description from COLUMN B that matches an item in COLUMN A. Write only the letter (A–J) next to the question number (1.4.1–1.4.10) in the ANSWER BOOK.

COLUMN A		COLUMN B	
1.4.1	Hearth	A	will reflect the light
1.4.2	Cornice	B	glued veneers at right angles
1.4.3	Primer	C	division between the wall and ceiling
1.4.4	Slate	D	found in mountainous areas
1.4.5	High-pile carpet	E	the floor of a fireplace
1.4.6	Shiny textured walls	F	bonds surface for a smooth finish
1.4.7	Woollen carpet	G	reserved for quieter areas
1.4.8	Level loop	H	slippery
1.4.9	Plywood	I	dyes easily and is colourfast
1.4.10	Marble	J	uncut pile of uniform height

(10 × 1) (10)

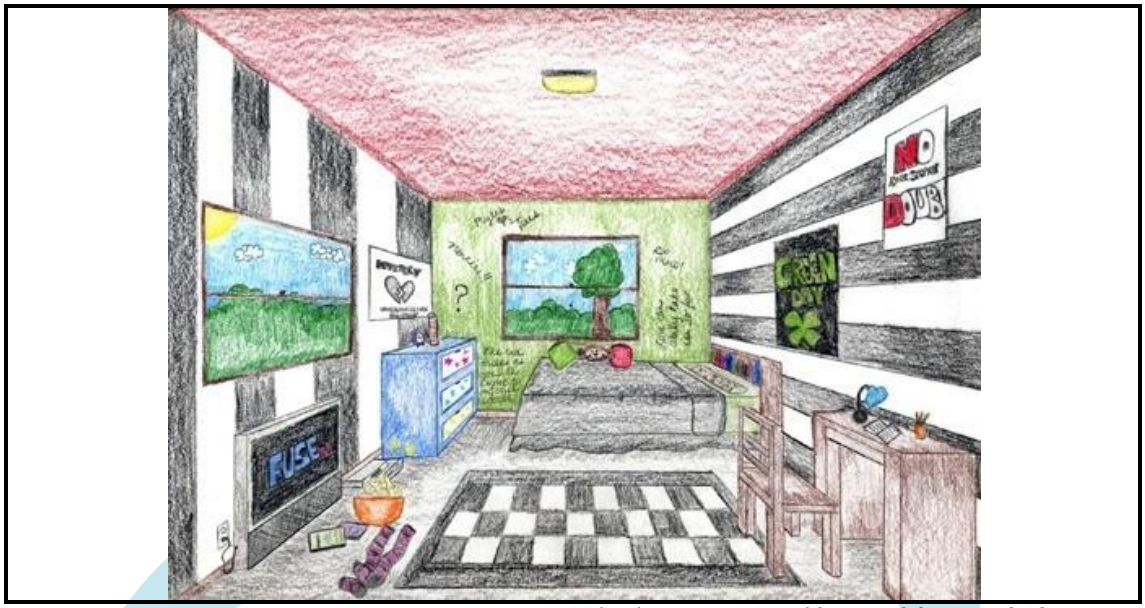
[60]

TOTAL SECTION A: 60

SECTION B

QUESTION 2

2.1 Study the image below and answer the question.



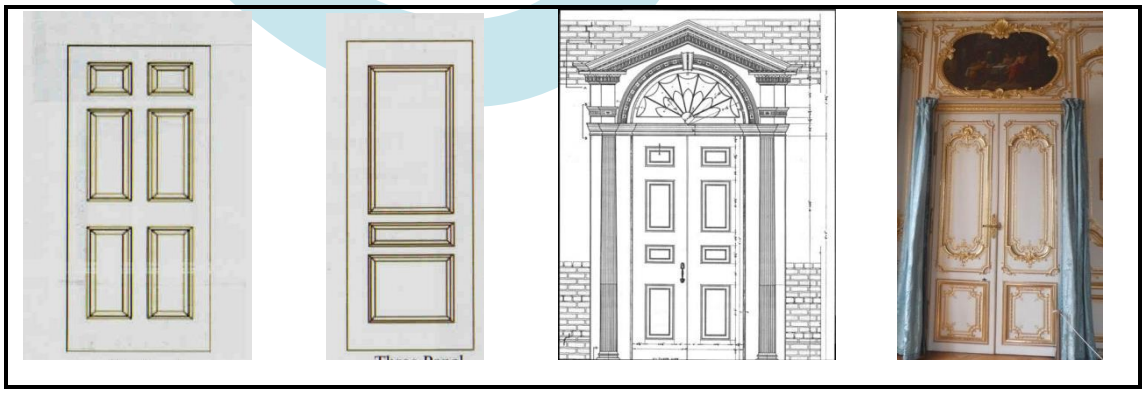
rm%20drawing-Jana.JP Saved from **mrelsingergrade6forums.y**

The room above was turned down by the client. It should have been a modern room with a hint of nostalgia. This was completely misunderstood by the decorator.

How would you fix this? Make suggestions for the floor, walls and ceiling.

Describe the best materials to use. (10)

2.2 Study the images below and answer the question.



A **B** **C** **D**

http://designstrategist.co/ http://designstrategist.co/za.pinterest.com za.pinterest.com

Name the style period of each of the images in A-D above. Write only the answer next to the letter (A-D) in the ANSWER BOOK. (4 × 2) (8)

2.3 Study the image below and answer the questions:



http://www.antiqueorientalrugs.com/

2.3.1 Name the type of carpet above. (1)

2.3.2 Discuss the main points of the design of this type of carpet. (7)

2.3.3 Briefly discuss the materials and method used to weave these carpets. (3)

2.3.4 What is so special about the pile of these carpets? (1)

2.4 Study the images below and answer the questions.



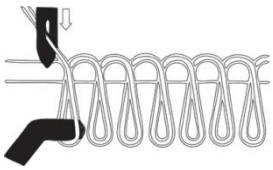
https://en.wikipedia.org

A



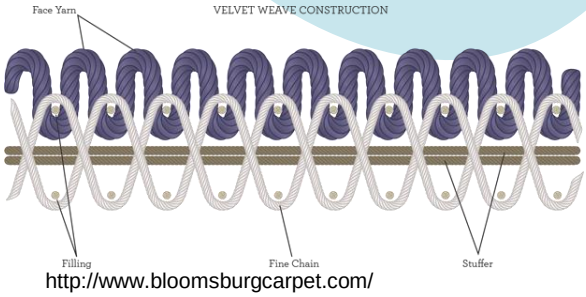
https://en.wikipedia.org

B



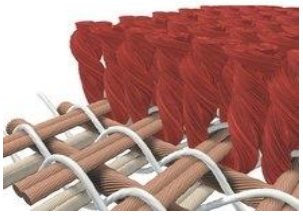
http://www.elespartano.com/

C



http://www.bloomsburgcarpet.com/

D



http://www.kashianbros.com/

E

2.4.1 Name the type of knot that is used in the images in A-E above. Write only the answer next to the letter (A-E) in the ANSWER BOOK. (5)

2.4.2 Discuss each type of knot named in QUESTION 2.4.1. (5 × 3) (15)

[50]

QUESTION 3

3.1 Explain how the use of colour can make …

3.1.1 a small room appear larger.

3.1.2 a large room appear smaller.

(2 × 5) (10)

3.2 Give the properties of glass fibre. (10 × 1) (10)

3.3 Why are walls used in a house? (4 × 2) (8)

3.4 A client has to choose between wallpaper and paint techniques. She lives in a house that was built in the twenties. She only wants the wall decorated up to the picture rail.

What would you suggest she does? The decision is yours to promote. (12)

3.5 Discuss *layered wood*. (10)
[50]

QUESTION 4

4.1 Study the image below and answer the question.



http://verolinens.com/

Evaluate the bedroom above and comment on how it can be improved. (6)

4.2 Describe the functional aspect of mouldings in a room. (14)

4.3 What type of flooring would you suggest for a family home with three children who are still pre-teenagers? Motivate your suggestions. (10)

4.4 Name TEN types of windows. (10)
[40]

TOTAL SECTION B: 140
GRAND TOTAL: 200

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