higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

SPATIAL PLANNING THEORY AND PRACTICAL N4

14 November 2022

This marking guideline consists of 6 pages.

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SECTION A

QUESTION 1

1.1 False:✓ The client brief is based on the family's lifestyle and needs.✓

1.2 False:✓ The interior decorator is responsible for the beauty and function of a space.✓

1.3 True:✓ Ergonomics is the study of relationships between people and their functions in an environment.✓

1.4 True:✓ The average measurements of the body are useful to the interior decorator.✓

1.5 False:✓ 3,45 m is equal to 345 cm or 3 450 mm.

1.6 False:✓ Circulation stems from the entrance, with easy access to other rooms.✓

1.7 True:✓ The glare can be reduced by soft diffused light. Glare is unwanted light.✓

1.8 True:✓ Acoustics is how sound is controlled and HVAC is the thermal control in the interior environment.✓

1.9 False:✓ It is a popular bed with a pallet base that can be used for seating.✓

1.10 True:✓ It is obtained by repetition and graduated balance.✓

(10 × 2) **[20]**

QUESTION 2

2.1 H
2.2 J
2.3 A
2.4 G
2.5 I
2.6 B
2.7 F
2.8 C
2.9 E
2.10 D

(10 × 1) **[10]**

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QUESTION 3

3.1 Horizontal plan (1)

3.2 It has no lifts or stairs.✓ It does not have apartments stacked vertically.✓ (2)

3.3 Advantages
- Elimination of stairs
- Ready access to the outdoor
- Silhouette fits well on level land
- It's cheaper to build this way

Disadvantages
- Increased use of space
- Greater cost of land
- Higher cost for structural elements
- Inefficient use of energy for heating and cooling (8)

3.4 Public spaces
- Kitchen
- Dining
- Living
- Porch

Private spaces
- Bedroom 1
- Bedroom 2
- Bathroom (7)

3.5 Open plan,✓ as the public areas use minimum floor to ceiling partitions.✓ (2)

[20]

QUESTION 4

4.1 You will communicate your design visually✓ through drawings, plans, elevations, sections, perspectives, mood boards and finishing boards.✓
You will communicate your ideas verbally.✓
You will meet the project deadlines✓ through project planning.✓
You are able work with diverse personalities✓ and have psychological insight into their needs.✓
You have flexibility.✓ You can analyse✓ and synthesise a problem.✓ You have business acumen.✓

[Source*: https://www.simplypsychology.org/maslow.html*] (10)

4.2 The home needs to be free from treat, discomfort, pain and unknown stimuli✓ which may cause fear.✓ Children's safety aspects need to be considered.✓ You can secure the home with burglar bars, security systems and boundary walls.✓ The space must be well planned to keep a routine, neat, order and flow of space.✓ (5)

[15]

QUESTION 5

Light is a psychological communicator of mood and atmosphere.✓ Bright light is stimulating, energising✓ and makes us feel as though we should be up and about.✓ If overused, it may ultimately be boring and visually tiring.✓ Bright light also casts strong shadows.✓ Subdued light may seem relaxing, restful and intimately romantic.✓ It can be dingy, depressing and even frightening, depending on the context.✓ Soft light minimises shadows and textural differences.✓ Too brilliant light often causes us to retreat in physical and emotional distress.✓ A bright light can make you feel at the centre of attention and boost your ego✓ or may make you very uncomfortable.✓ Small hard lights add brilliance and sparkle.✓ Moderately bright light brings no pronounced feeling.✓ Flickering light from a fireplace or candle draws attention.✓ It emits warm flattering light.✓ A flickering fluorescent light causes discomfort and great irritation.✓ Warm coloured light seems cheerful and welcoming. Cool light is often more restful than warm light.✓ **[10]**

QUESTION 6

6.1 A privacy divider✓ in the form of furniture, screen or cupboard.✓ A bunk bed or slide-out bed✓ for sleepovers.✓
Small-scale chairs and tables✓ that can easily be wiped.✓ A lockable caster library stool✓ to reach bookshelves.✓ Floor seating✓ such as bean bags, as children gravitate to the floor.✓
Bedside tables✓ with storage and night light.✓
Built-in desk and storage unit✓ to keep crafts and a work top.✓
Storage such as fixed bookshelves,✓ tall cupboards✓ for clothes and sport equipment,✓ deep shelves✓ or toy chest✓ for the storage of toys.✓ (10)

6.2 6.2.1 It is very quiet✓ and uses water to create a vacuum in the bowl✓ and atmospheric pressure to force the contents into the outlet.✓ (3)

6.2.2 It uses a lever unit✓ that combines hot and cold water to the desired temperature.✓ (2)

6.3 The style of furniture, such as antique, period or modern.✓ The budget requirements and cost.✓ Beauty✓ and adaptability.✓ You should be able to use it in other spaces.✓ Comfort and ergonomic requirements. Durability and suitability for the user's lifestyle.✓ Care and maintenance.✓ Size of the furniture.✓ Movability of the furniture.✓ Knots should not appear on wooden furniture.✓ It should be treated and be well seasoned.✓ (10)
[25]

TOTAL SECTION A: 100

SECTION B

QUESTION 7

NOTE TO THE ASSESSOR/MARKER(S): Application of the Spatial Planning knowledge or course is expected of the students/candidates. They must show that in their answers to questions on redecoration, using floor plan(s), et cetera.
This is an OPEN QUESTION and MUST be answered according to the REQUIREMENTS as SET in the question.

The student/candidate must use the information that is contained in the question (QUESTION 7.1.1–7.1.8 and 7.2.1–7.2.9) and should take into consideration the course content to make informed decisions relating to spatial planning.

7.1	7.1.1	Drawing technique, including construction lines,✓✓ crossing lines,✓✓ 45° rule,✓✓ inked lines,✓✓ correct use of line weights,✓✓ neatness✓✓	(12)
	7.1.2	Dimension technique, including ordering and layering of dimension lines,✓✓ totalling of dimensions,✓✓ correct style,✓✓ correct measurements,✓✓ correct use of scale✓✓	(10)
	7.1.3	Ergonomics, including traffic flow,✓✓✓✓ correct furniture sizes,✓✓✓✓ correct placement of furniture✓✓✓✓	(12)
	7.1.4	Symbols, including electrical,✓✓ furniture,✓✓✓ walls,✓✓✓ windows,✓✓ doors,✓✓ tagging of furniture,✓✓ north point✓✓	(16)
	7.1.5	Instructions: Construction notes with leaders,✓✓✓ tabulated electrical legend,✓✓✓ tabulated furniture legend,✓✓✓ tabulated sanitary legend,✓✓✓ title of drawing✓✓✓	(15)
	7.1.6	Orientation: Placement of North relative to sunlight,✓ the correct orientation of the floor plan to the drawing sheet✓	(2)
	7.1.7	Colour: neatness,✓ colour scheme✓	(2)
	7.1.8	Zoning: planning,✓✓ bubble diagrams,✓✓ activity areas✓✓	(6)
7.2	7.2.1	Decoration style	(1)
	7.2.2	Concept statement	(2)
	7.2.3	Colour scheme	(2)
	7.2.4	Mood and interior atmosphere	(2)
	7.2.5	Floor treatment	(2)

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7.2.6	Wall treatment	(2)
7.2.7	Window treatment	(2)
7.2.8	Furniture choices, including sizes	(6)
7.2.9	Accessories	(6)
		[100]

TOTAL SECTION B: 100
GRAND TOTAL: 200

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