



HIGHER SCHOOL CERTIFICATE EXAMINATION

1997

TEXTILES AND DESIGN

3 UNIT (ADDITIONAL)

*Time allowed—One hour and a half
(Plus 5 minutes reading time)*

DIRECTIONS TO CANDIDATES

- Attempt TWO questions, ONE from each Section.
- All questions are of equal value.
- Answer each question in a *separate* Writing Booklet.
- Pages 8 and 9 contain outlines which may be used as a guide when answering questions. Do NOT hand in these sheets with the Writing Booklets.
- You may ask for extra Writing Booklets if you need them.

SECTION I—SCIENCE AND TECHNOLOGY

Attempt ONE question.

QUESTION 1. Fibre Structure

EITHER

- (a) The morphological and molecular structures of fibres influence their properties.

With reference to the above statement, discuss the following:

- (i) the absorbency of polyester and cotton;
- (ii) the lustre of silk and viscose rayon;
- (iii) the resiliency of wool and acrylic.

OR

- (b) To fully understand the properties and performance of fibres, a knowledge of their molecular and morphological structures is necessary.

- (i) Discuss this statement with reference to:

- ONE natural fibre
- ONE synthetic fibre
- ONE regenerated fibre.

- (ii) List TWO different end-use examples for EACH fibre referred to in part (i) and justify your choices.

QUESTION 2. Colour*EITHER*

- (a) Interior decorators are required to understand the role that colour plays in the choice and use of textiles.

Discuss this statement in relation to the following:

- Illuminants
- Surface textures
- The relationships of colours used
- The specification of colours when ordering textiles.

Use specific examples to support your answer.

OR

- (b) The army has ordered fabric for camouflage uniforms from a major supplier.
- (i) List the factors that will affect the choice of colour(s) for the fabric, using specific examples.
 - (ii) Identify and explain in detail a colour measurement system and equipment required by the manufacturer to make sure that all the fabric is coloured exactly as specified.

QUESTION 3. Technological Developments*EITHER*

- (a) At the beginning of this century, cotton cost the equivalent of approximately \$20 per kilogram in current money. Today it costs approximately \$2 per kilogram.

Discuss the key technological developments in the following areas that have contributed to the reduction in cotton price.

- Cotton growing and harvesting
- Cotton yarn production
- Cotton fabric production
- Synthetic fibre/yarn production
- Development of alternative cotton end-uses.

OR

- (b) Developments in textile technology in the latter half of the twentieth century have led to:

- Increased productivity
- Fibre modifications
- Different textile end-uses.

Discuss this statement, using specific examples of technological developments, and explain how these developments have impacted on each of the areas mentioned.

SECTION II — DESIGN

Attempt ONE question.

QUESTION 4. History of Clothing Design

EITHER

- (a) 'Fashion reflects social and economic circumstances throughout history'.

With reference to specific world events and clothing styles, discuss this statement.

OR

- (b) In the 1990s, fashion design has borrowed many ideas from history. Looking back over the last 60 years, it is noted that each decade has had a distinct look.
- (i) Select and identify THREE decades in the last 60 years, and sketch a different clothing item from each decade chosen.
 - (ii) Describe how each item reflects the chosen decade.
 - (iii) Adapt the THREE items to make a TWO-PIECE contemporary outfit; show front and back view.
 - (iv) Justify how your adaptation reflects contemporary fashion.

QUESTION 5. Theatrical Design*EITHER*

- (a) Music videos are a modern way of promoting singers and their music. A famous young singer is performing with dancers for a video clip to promote a new song.
- (i) Select and briefly describe the theme of the new song and the style of its music.
 - (ii) Design, sketch and fully label an outfit for the singer.
 - (iii) Design, sketch and fully label an outfit for the dancers.
 - (iv) Justify how the outfits reflect the theme of the song.
 - (v) Discuss how the outfits meet the functional requirements for the performance.
 - (vi) Suggest a suitable location to shoot the video clip, and justify your choice.

OR

- (b) A new theatre company wishes to revive a number of children's fairy tale classics for the coming holidays.
- (i) Name a fairy tale classic, and give a brief overview of the story.
 - (ii) Identify TWO main characters, and design, sketch and label an outfit for each character, showing front and back views.
 - (iii) Explain how the costumes identified in part (ii) are both functional and aesthetic for the theatre performances.
 - (iv) Using specific examples, describe how lighting, music, and stage setting(s) contribute to the success of this production.

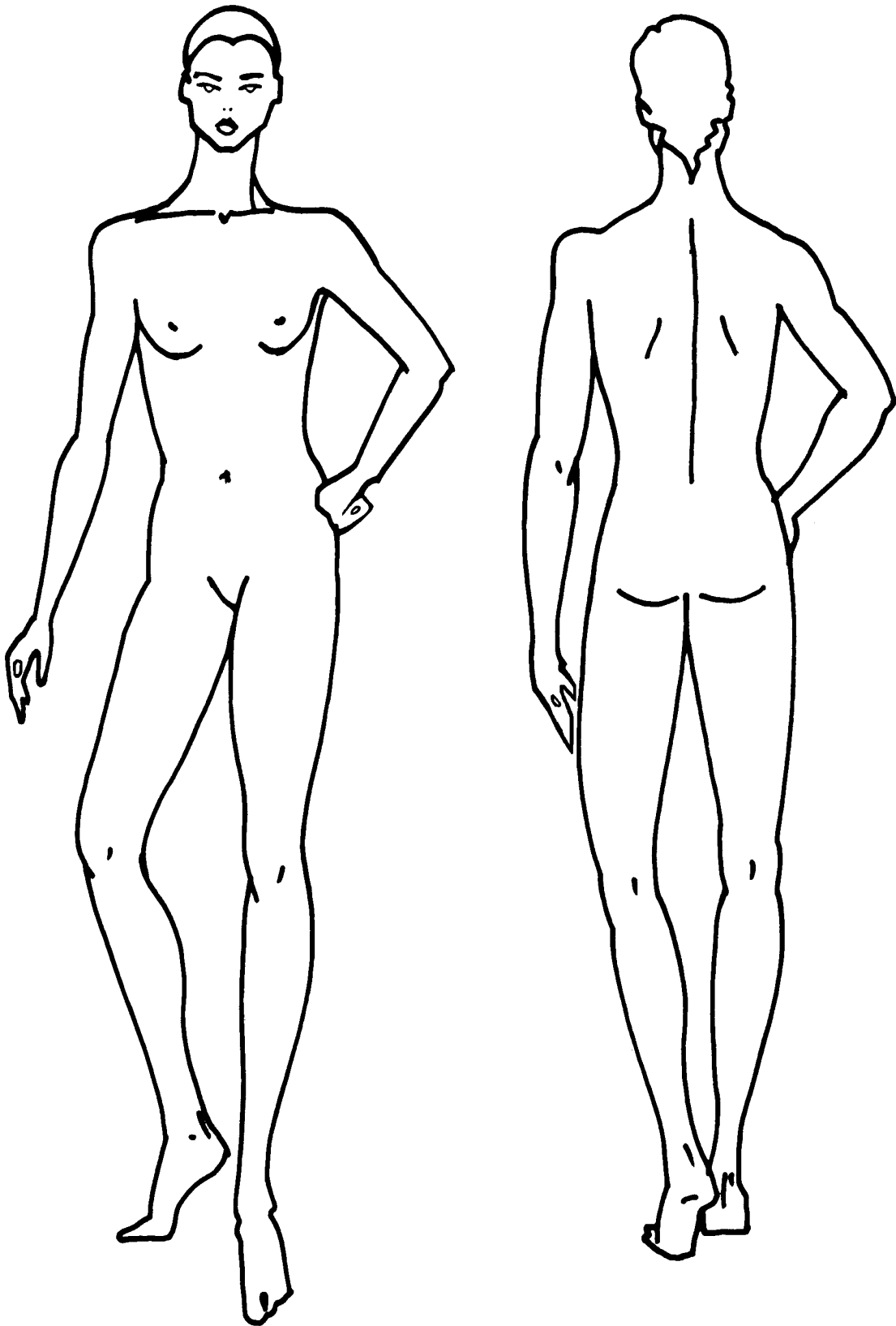
QUESTION 6. Fabric Design*EITHER*

- (a) The Museum of Sydney has decided to produce souvenir scarves.
- (i) Sketch and fully label TWO designs for the scarves, one design depicting the historical aspects of Sydney and one design depicting the contemporary aspects of Sydney.
 - (ii) Using a different technique for EACH scarf, describe how you would apply *or* incorporate the design to the fabric.
 - (iii) Using features from both designs, develop an appropriate logo for the museum.
 - (iv) Show how the logo could be used on TWO non-apparel items for the museum.

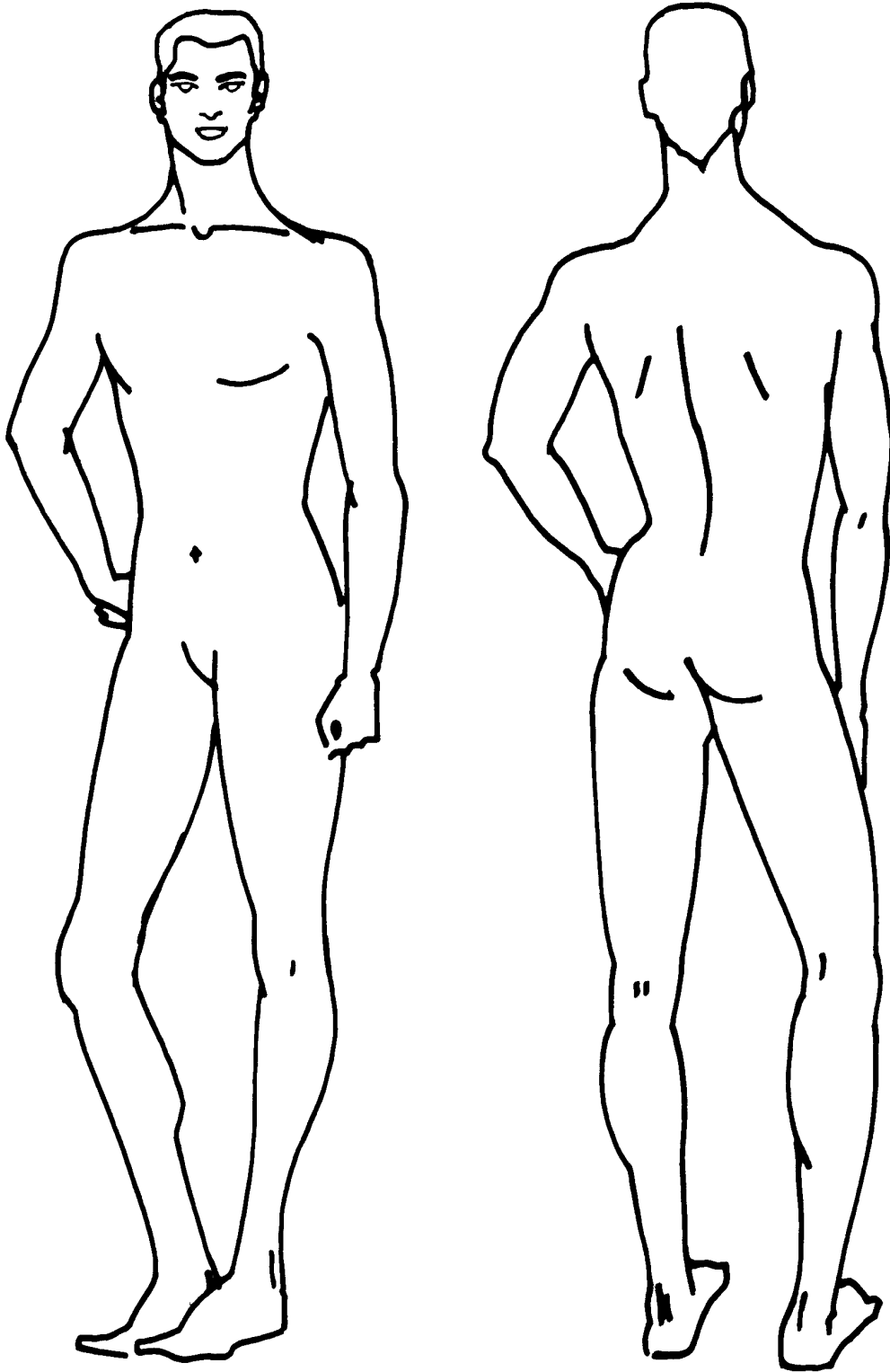
OR

- (b) The director of a new children's hospital has commissioned you to design a fabric suitable for hospital gowns to be worn by children.
- (i) Sketch THREE images suitable for the design.
 - (ii) Incorporate your images into a stripe pattern. Sketch and label a length of your fabric, showing placement of the design.
 - (iii) Identify and describe how you would apply *or* incorporate the design to the fabric.
 - (iv) Modify your original images in part (i) to create an abstract design suitable for a range of coordinated hospital bed linen. (Sketch and fully label.)

These outlines may be used for guidance when answering questions requiring clothing designs.
Use for tracing only. Do NOT sketch on this sheet. Do NOT hand it in with Writing Booklets.



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