



This series of test questions, created for use with your students, provides multiple choice and short answer questions based on the text and arranged by chapter. A separate answer key is available.

- 1 Name four designers who are on the cutting edge with their use of digital textile printing.
- 2 Name four markets for which digital printing is appropriate.
- 3 Why is digital textile printing really only feasible at the high end of the market?
- 4 From which earlier technology was digital textile printing developed?
- 5 In what year did large format digital textile printers, such as the Mimaki, first become widely available:
  - a. 1998
  - b. 2005
  - c. 1988
  - d. none of the above
- 6 Why is there virtually no limit to the kinds of images that may be accurately reproduced using digital printing?
- 7 Why are traditional methods of printing images based on processes similar to stencilling - including silk screen, woodblock and gravure - more time consuming than digital printing?
- 8 Why is it possible to print photographic images directly onto fabric using inkjet printing technology?
- 9 Name four styles or types of print design that are facilitated by large format digital textile printing.



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- 1 Describe the differences between the software programs Adobe Photoshop and Illustrator.
- 2 What does 'dpi' stand for:
  - a. dots per input
  - b. dots per inch
  - c. data per inch
  - d. none of the above
- 3 What advantages can scanning in a high detailed drawing give to the textile designer?
- 4 List the advantages of working with a digital stylus in both Photoshop and Illustrator.
- 5 How has photography changed the look of printed textiles with the development of digital printing?
- 6 Name three catwalk designers who are exploiting the use of photography in their collections.



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- 1 What are the two types of repeat structure used to lay out a design so that once it is printed it will form a continuous length?
- 2 The creation of an unintentional stripe or diagonal on a pattern is known as:
  - a. randomization
  - b. stepping out
  - c. tracking
  - d. none of the above
- 3 What should you do to rectify any visual mistakes such as tracking?
- 4 Explain how repeats were created prior to the introduction of software such as Photoshop.
- 5 What can the Clone Stamp tool in Photoshop be used for?



TEST QUESTIONS TO ACCOMPANY

## CHAPTER 4: INTRODUCTION TO ILLUSTRATION

This series of test questions, created for use with your students, provides multiple choice and short answer questions based on the text and arranged by chapter. A separate answer key is available.

- 1** Name the media a textile designer might use and combine to explore a narrative and give his or her design work another dimension.
- 2** What will influence the style of illustration and media chosen for a design? Give some examples.
- 3** Outline two methods which can help develop the skills of figure drawing.



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- 1 Why do designers like to add a hand quality to digital printing?
- 2 Do you think 'digital design and print' is a skill and a craft? Give an example of designers who are using this medium in a creative way.
- 3 List traditional techniques that can be combined with digital print.
- 4 What is devoré printing? What fabric do you need to use for this type of printing?
- 5 Which designer used foiling on top of his S/S 05 collection?
- 6 Identify five designers who are using digital print in their latest catwalk collections.
- 7 How does Helen Murray integrate digital print into her work?
- 8 State the different methods for digital printing using a desktop printer.
- 9 Explain why desktop printing is so exciting for the hobbyist.
- 10 What fabric is used for sublimation printing:
  - a. cotton
  - b. polyester
  - c. silk
  - d. none of the above



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- 1 Name five methods used in traditional textile printing.
- 2 What are the four primary colours used in four-colour process printing?
- 3 What is the most widely used method of fabric printing used today:
  - a. rotary-screen printing
  - b. heat-transfer
  - c. woodblock printing
  - d. none of the above
- 4 What percentage of the world's textiles is currently printed digitally:
  - a. less than 10%
  - b. less than 1%
  - c. less than 5%
  - d. none of the above
- 5 When did the heat transfer printing process first become widely used:
  - a. in the 1960s and 1970s
  - b. in the 1920s
  - c. in the 1980s
  - d. none of the above
- 6 Briefly describe the heat transfer, dye sublimation printing process.
- 7 How many linear metres/yards per hour are achievable via traditional rotary- screen printing methods?
- 8 Why are traditional methods of printing more versatile than digital textile printing?
- 9 What are the two categories of technology behind inkjet printing?
- 10 What type of technology is currently used in the print heads of most large format textile printers, such as the Mimaki, in order to lay down the ink?
- 11 The heat transfer method of textile printing is limited to what types of fabric?
- 12 What process must take place before ink or colourant is permanently bonded to the fabric in order to make it washable?
- 13 Why is it necessary to use specially pre-treated coated fabrics when digitally printing dyes directly onto fabric?
- 14 What are the two types of ink or colourants used in textile printing?
- 15 Name two significant advantages that pigment inks have over dyes.
- 16 Reactive dye is used to colour what types of materials:
  - a. protein-based materials
  - b. synthetic polymer-based materials
  - c. plant and animal-based materials
  - d. none of the above
- 17 What process is used to permanently fix or bond acid and reactive dyes to fabric?
- 18 Why is it necessary to wash fabrics that have been printed with dye after the dye has been fixed?
- 19 List five significant advantages digital textile printing has over traditional methods of printing.
- 20 Name three disadvantages of digital inkjet textile printing.
- 21 Name four advantages that most specialist textile printing software systems might have over software such as Photoshop.
- 22 Why is it necessary to colour separate/colour reduce images that will be silk- screen printed?
- 23 Name the colour model used in emitted light from a TV screen or computer monitor.
- 24 Why will the colours in the same design shown onscreen and printed onto fabric differ in a non-calibrated system?
- 25 What is the function of a colour management system?



TEST QUESTIONS TO ACCOMPANY

## CHAPTER 6: TECHNOLOGY FOR DIGITAL TEXTILE PRINTING

- 26 What role does RIP software play in the digital print process?
- 27 What is a printer profile?
- 28 What is a spectrophotometer?
- 29 What does the term 'out of gamut' refer to in terms of colour?
- 30 Which region in Italy is famous for the printing of high quality luxury fabrics?