

xiii) Discuss the direct style of printing of polyester with disperse dyes.

xiv) Write down the advantages and limitations of the flat bed screen printing.

xv) Explain the process of printing of acrylic/nylon blend with recipe detail.

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

Q.3 Explain the printing of polyester/cotton blended materials.

Q.4 Explain the principle & working of flat bed screen printing with neat flow sheet.

Q.5 Briefly discuss the different methods of rotary screen engraving.

Q.6 Discuss the printing of acrylic fabrics with suitable dye classes.

Q.7 Write a note on

a) Yarn printing

b) Digital printing

No. of Printed Pages : 4

Roll No.

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5th Sem. / Textile Proc / Text Chem

Subject : Technology of Printing - III

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

Q.1 a) What is contact and non-contact type of printing? Give example.

b) British gum is a _____ type of thickener.

c) Which thickener is suitable for printing reactive dyes?

d) What are pigments?

e) What is Rongalite-C?

f) Which single dye is suitable for printing of polyester/cotton blend?

g) Burnt-out style of printing is suitable for _____ blended material.

h) Discuss the suitability of dyes w.r.t transfer printing.

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- i) What is khade printing?
- j) What is discharge style of printing?
- k) Soluble form of vat dye is called _____.
- l) Which dyes are suitable for cotton/wool blend printing?
- m) What is the purpose of scouring before printing?
- n) What precautions should be taken in printing paste preparation?
- o) What is stencil printing?
- p) Explain the concept of heat transfer printing.
- q) What is the role of thickener in printing paste?
- r) Pigment printing is also known as _____.
- ii) What are Binders? Mention the desirable properties for the binders.
- iii) What are the advantages of magnetic squeeze systems?
- iv) Discuss the principle of resist printing.
- v) Discuss the pretreatment process for silk material before printing.
- vi) Write down the details of the ingredients of printing paste.
- vii) Write a note on Laser engraving technique for rotary screens.
- viii) Discuss the various applications of the digital printing.
- ix) Discuss the advantages and disadvantages of the rotary screen printing.
- x) Discuss the desirable properties of the thickener for textile printing.
- xi) Write short note on the printing of polyamides with reactive dyes.
- xii) Differentiate between flat screen and rotary screen printing process.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2 i) Elaborate the concept of digital printing process.

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